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**NASA TMX-69893**

**THE NIMBUS 4 DATA CATALOG**  
**VOLUME 6**

**1 JANUARY THROUGH 28 FEBRUARY 1971**  
**DATA ORBITS 3595-4386**

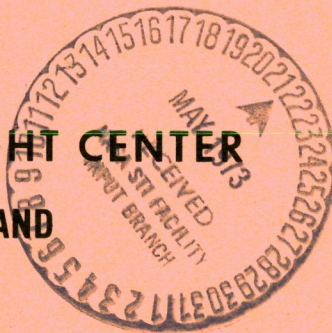
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**GODDARD SPACE FLIGHT CENTER**  
**GREENBELT, MARYLAND**



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THE NIMBUS 4 DATA CATALOG

Volume 6

1 January through 28 February 1971  
Data Orbits 3595-4386

Prepared by

Allied Research Associates, Inc.  
Concord, Massachusetts

For the

Nimbus Project

August 1971

GODDARD SPACE FLIGHT CENTER  
Greenbelt, Maryland

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FOREWORD

This is the sixth volume of a series of catalogs published by the National Aeronautics and Space Administration to document data acquired from the Nimbus 4 Meteorological Satellite. This volume covers the period 1 January through 28 February 1971 with subsequent catalogs to contain documentation for succeeding periods throughout the useful lifetime of Nimbus 4.

Background information concerning the Nimbus 4 Meteorological Satellite system and a description of the experiments and data formats have been published separately in the Nimbus IV User's Guide, with post-launch User's Guide information changes and corrections included in the data catalogs. The Nimbus 4 catalogs present the type of data available, anomalies in the data, if any, and geographic location and time of the data.

The assembly and editing of this catalog was accomplished by the Geophysics and Aerospace Division of Allied Research Associates, Inc. (ARA), Concord, Massachusetts under contract number NAS 5-21617 with the Goddard Space Flight Center, NASA Greenbelt, Maryland.

Wilfred E. Scull  
Project Manager  
ERTS/Nimbus Project  
Goddard Space Flight Center

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## SECTION 1

### SUMMARY OF OPERATIONS

#### 1.1 Introduction

Nimbus 4 was successfully launched from the Western Test Range at Vandenberg AFB, California, into a near circular orbit (587 x 593 n. mi.) at 08hr 17m 57sec Universal Time on 8 April 1970.

This sixth volume of the Nimbus 4 data catalogs reflects complete data documentation for the period 1 January 1971 through 28 February 1971, orbits 3595 through 4386. Complete IRLS Balloon Experiment data documentation from launch through 27 March 1971 was presented in Volume 4.

The sensory data output and total operating time from launch (8 April 1970) through orbit 4386 on 28 February 1971 were as follows:

IDCS	38,619 pictures
THIR (11.5 $\mu$ m)	5,697 hours
THIR (6.7 $\mu$ m)	3,154 hours
SIRS	6,777 hours
FWS	1,316 hours (total to failure, orbit 815)
SCR	6,678 hours
MUSE	6,688 hours
IRIS	6,367 hours
BUV	6,621 hours
IRLS	21,867 data frames (through orbit 4,749, 27 March 1971)

The Filter Wedge Spectrometer (FWS) experiment failed during orbit 815, 8 June 1970 and no further data have been received from the experiment.

On orbit 3781 (14 January) a 0.5 degree pitch bias was applied to the spacecraft to correct a negative momentum buildup. The bias was maintained through the end of this catalog period. Its effect on sensory data is small. Locations are observed about one second sooner than normal which produces about five nautical miles of grid error at the subsatellite point. The gridding program was not changed to compensate for this relatively small error. Gridding of the pictorial data (IDCS and THIR) is generally accurate to within  $\pm$  one degree of great circle arc ( $\pm$ 60 n. miles) at the satellite subpoint.

Satellite power, command/clock, VIP, and thermal subsystems continue to perform well. Data from the High Data Rate Storage Subsystem (HDRSS) B have been good although there has been a decrease in the signal-to-noise (S/N) ratio.

During orbit 3707 (9 January) HDRSS A exhibited extreme jitter noise making most of its recorded sensory data unusable. Experimentation and analysis revealed that only a 20 minute record section (out of 124 minutes maximum record time) of this HDRSS was relatively noise free. Consequently, after orbit 3780 (14 January) HDRSS A was limited to 20 minutes of record time. This continued through orbit 4100 when HDRSS A record time was reduced to 15 minutes.

Quality of the sensory data varies from satisfactory to excellent. The following subsections 1.2 through 1.11 summarize the operational highlights of the individual experiments and call attention to known data anomalies in this catalog period.

The user is referred to the Nimbus IV User's Guide for a complete description of the experiments.

## 1.2 The Image Dissector Camera System (IDCS) Experiment

The Image Dissector Camera System performance has been satisfactory. Pictures from HDRSS B are of good quality. HDRSS A video playbacks, with 100 Hz flutter interferences, have a reduced image quality as shown in Figure 1-1a of Volume 2. The Sensor "On" Table in Section 2 shows the IDCS data orbits produced from HDRSS A playbacks.

The resolution of the IDCS (2 to 3 n. miles near the subsatellite point) and the system transfer function which tends to favor tonal rendition near the white end of the gray scale are well suited for the IDCS intended purpose of cloud mapping as well as for ice study.

## 1.3 The Temperature-Humidity Infrared Radiometer (THIR) Experiment

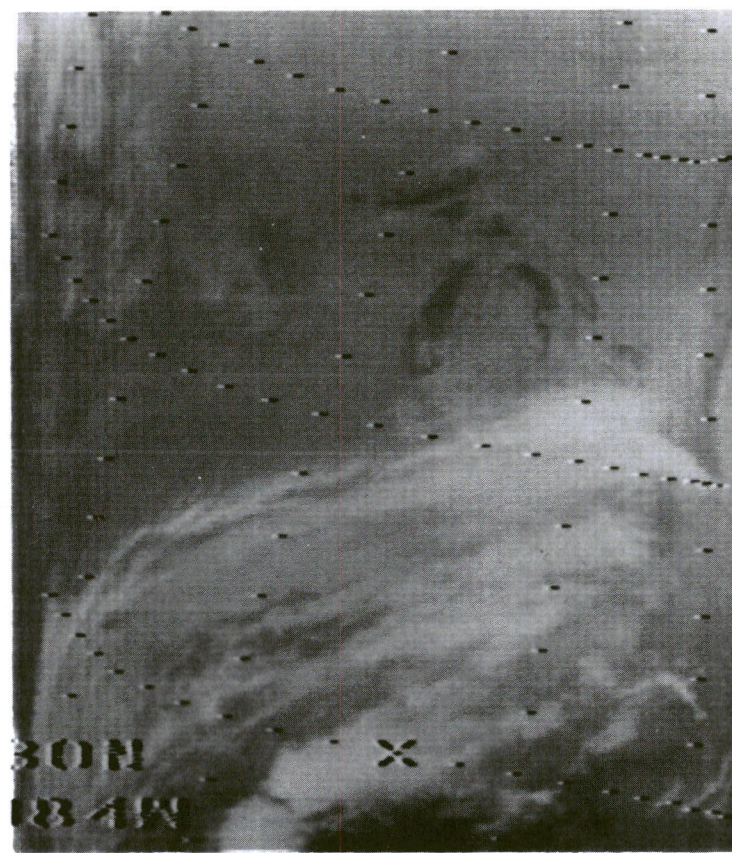
The Temperature-Humidity Infrared Radiometer performed well until orbit 3731 (11 January) when the scan motor stopped rotating. It restarted on orbit 3744 (12 January) and worked until orbit 3777 (14 January) when it again stopped. Several re-starts were attempted with little success until orbit 3981 (29 January) when a series of on-off commands resulted in prolonged rotation. The subsystem was turned on during orbit 3983 and performed well through the end of this catalog period.

THIR data recorded on HDRSS B continues to be good. Figure 1-1 is an example of recent data from this HDRSS. HDRSS A THIR data processed with the Z axis correction filter (see Section 1-3 of Volume 5) are satisfactory. Table 1-1 lists all HDRSS A orbits for this catalog period not processed with a Z axis filter. After orbit 3707 (9 January) the volume of recorded HDRSS A THIR data was severely restricted because of the extreme noise apparent along most of this tape (see Section 1-1). It is suggested that, whenever possible, HDRSS B THIR be used for research purposes.



Figure 1-1 Nighttime 11.5  $\mu\text{m}$  THIR from HDRSS B recorded during orbit 4360 on 27 February 1971. In the top half of the picture is a relatively cold Scandinavia (light tones) and at the bottom is a relatively warm Spain and North Africa.





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Figure 1-2. Concurrently recorded HDRSS B IDCS (left) and 11.5  $\mu$ m THIR (right) from orbit 3698 on 8 January 1971. The relatively cloud free and snow covered Great Lakes area is clearly evident in the IDCS and is distinguished from the clouds in the lower portion of the picture. The concurrent THIR temperature data of the area can be evaluated by using computer-produced THIR grid print maps (see Section 3.4 of the Nimbus IV User's Guide).

Table 1-1

## HDRSS A THIR Data With No Z Axis Correction Filter

Nighttime Orbits 11.5 $\mu$ m and 6.7 $\mu$ m Channels		Daytime Orbits 11.5 $\mu$ m Channel	
DATE	ORBIT	DATE	ORBIT
1 Jan	3595	1 Jan	3595
1 Jan	3607	2 Jan	3608
2 Jan	3608	3 Jan	3622
2 Jan	3621	4 Jan	3635
3 Jan	3634	6 Jan	3662
4 Jan	3635	7 Jan	3676
5 Jan	3661	8 Jan	3689
6 Jan	3662, 3675	9 Jan	3702, 3707, 3710
7 Jan	3676, 3688	13 Jan	3758
8 Jan	3689	30 Jan	3987
9 Jan	3702, 3709, 3714	31 Jan	4001
13 Jan	3758, 3768	1 Feb	4014
30 Jan	3986, 3993	2 Feb	4028
31 Jan	4000, 4005, 4006, 4007	3 Feb	4041
1 Feb	4020	4 Feb	4054, 4055
2 Feb	4033	5 Feb	4068
3 Feb	4045, 4046, 4047	6 Feb	4081
10 Feb	4141	7 Feb	4095
11 Feb	4153, 4154	9 Feb	4122
12 Feb	4161, 4166	10 Feb	4135
13 Feb	4180, 4181	11 Feb	4148, 4149
14 Feb	4194	12 Feb	4162
17 Feb	4235	14 Feb	4189
19 Feb	4255*, 4261	15 Feb	4202
20 Feb	4268*, 4275	16 Feb	4216
21 Feb	4282*	17 Feb	4229
22 Feb	4294*	18 Feb	4242, 4243
23 Feb	4309*	20 Feb	4269
24 Feb	4322*	21 Feb	4283
25 Feb	4335*, 4341	22 Feb	4296
26 Feb	4354	23 Feb	4310
27 Feb	4362*, 4368	24 Feb	4323
28 Feb	4376, 4381	25 Feb	4336, 4337
		26 Feb	4350

\*Z Axis Correction was only applied to the 11.5  $\mu$ m data.

#### 1.4 The Infrared Interferometer Spectrometer (IRIS) Experiment\*

IRIS performance was satisfactory during this catalog period. However, not all IRIS data will be usable. When RTTS was on for two or three orbits each day over Antarctica IRIS was turned off, upsetting the thermal equilibrium of the interferometer. After IRIS turn on, several orbits of normal operation are required before responsivity and noise equivalent radiance reach their proper equilibrium values.

#### 1.5 The Satellite Infrared Spectrometer (SIRS) Experiment\*\*

The status of the SIRS-B instrument during the period covered by this catalog was similar to that reported in the preceding catalog. Channels 1 ( $899\text{ cm}^{-1}$ ), 6 ( $692.0\text{ cm}^{-1}$ ), and 9 ( $531.5\text{ cm}^{-1}$ ) continued to function in abnormal ways. Channel 12 ( $291.5\text{ cm}^{-1}$ ) returned to the erratic behavior it had exhibited earlier. Use of these data is not recommended. The noise level of Channel 10 ( $436.5\text{ cm}^{-1}$ ) continued to increase during this period, varying from  $0.5$  to  $1.5\text{ erg}/(\text{cm}^2\text{ sec strdn cm}^{-1})$ . No adjustments were made in the calibration factors used to compute radiances during this catalog period.

The instrument continued to be operated in a manner which provided one calibration every other orbit over the South Polar region.

Global coverage was reduced when the HDRSS A tape recorder began to malfunction. As a result of the limited use of this tape recorder, partial orbits and "segmented orbits" will appear on the archival tapes. The data format will be unaffected but large gaps in time may separate adjoining sets of radiances within an orbit.

#### 1.6 The Monitor of Ultraviolet Solar Energy (MUSE) Experiment

The MUSE subsystem continued to perform well in both the manual and automatic modes during this catalog period. The ultraviolet sensor outputs continue to follow the same trends shown in previous catalog volumes.

#### 1.7 The Backscatter Ultraviolet Spectrometer (BUV) Experiment

The BUV experiment continued to perform well during this catalog period. Data quality has been good.

---

\*Contributed by R.A. Hanel of NASA/GSFC.

\*\*Contributed by J. Lienesch of NESS/NOAA.



A recent report\* compares the BUUV derived estimates of total ozone with near-coincident ground-based Dobson spectrophotometer total ozone measurements. The Dobson ozone values were recovered from the BUUV data with a standard error of estimate of about 0.020 atm-cm from measurements at 3125 and 3312Å (see Figure 1-3) and with a standard error of about 0.025 atm-cm from 3175 and 3398Å measurements. The authors believe that part of this error may be attributed to a lack of perfect simultaneity in time and space between the Dobson and satellite data. The available evidence suggests that the true standard error of the satellite data may be 0.015 atm-cm or less for solar zenith angles less than sixty degrees.

#### 1.8 The Filter Wedge Spectrometer (FWS) Experiment

The FWS chopper motor failed during orbit 815, June 8, 1970 precluding further reception of data. Continued attempts to restart the FWS motor have been unsuccessful. The committee investigating the failure of the chopper motor concluded that: "The most probable cause of failure of the FWS is felt to be due to debris in one or more of the bearings on the slow speed shafts of the reducer or filter wheel."

Before orbit 815, satisfactory data were received from the short wavelength channel, but icing of the bolometer prevented obtaining any usable data from the long wavelength channel. The committee investigating the degradation of sensory data reported that the probable cause of icing was the condensation of outgassed water vapor on the detector. Also suspected were lubricant from the gear train and adhesive used to hold the superinsulation.

#### 1.9 The Selective Chopper Radiometer (SCR) Experiment

The SCR functioned well during the current catalog period. All six channels were maintained in full time operation. However, during the times when RTTS was on over Antarctica (see Section 1.11), SCR data were degraded by approximately 10 ergs. Signal-to-noise ratios remained at the design level.

Operational data transmission from the Nimbus Data Handling System at GSFC to Oxford, England has continued daily since launch. Each day's data block is processed in approximately two hours time. (Formatted data tapes are being prepared for later archival at the National Space Science Data Center, Goddard Space Flight Center, Greenbelt, Maryland.) Computer drawn maps are routine outputs from each day's operations. These include radiance contours for each channel both in polar and

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\*Carlton L. Mateer, Donald F. Heath and Arlin J. Krueger: Estimation of Total Ozone from Satellite Measurements of Backscattered Ultraviolet Earth Radiance. Goddard Space Flight Center, Greenbelt, Maryland, X-651-71-223, June 1971.

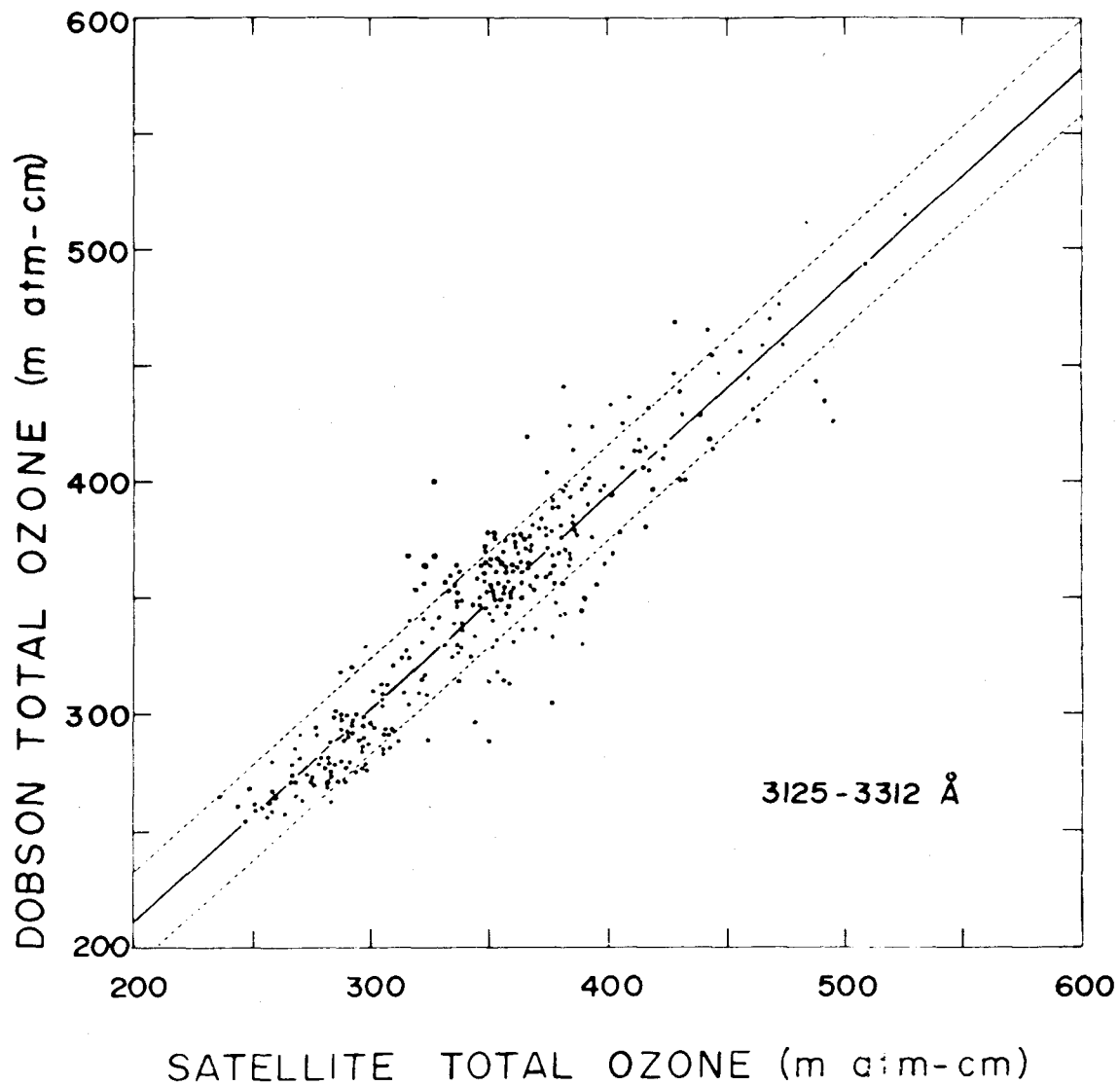


Figure 1-3 Scatter Diagram Showing Relationship Between Dobson and BUV Total Ozone for the 3125-3312Å pair. (Dashed lines are one standard error of estimate from linear regression line.) (From Mateer et alia, Estimation of Total Ozone from Satellite Measurements of Backscattered Ultra-violet Earth Radiance, 1971).

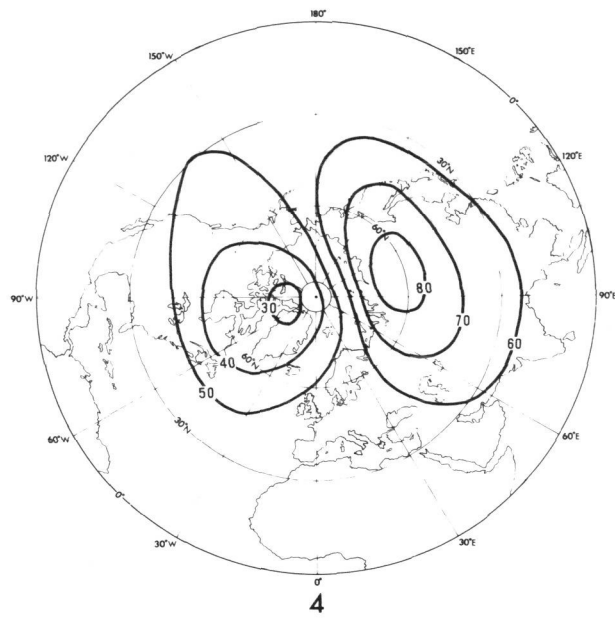
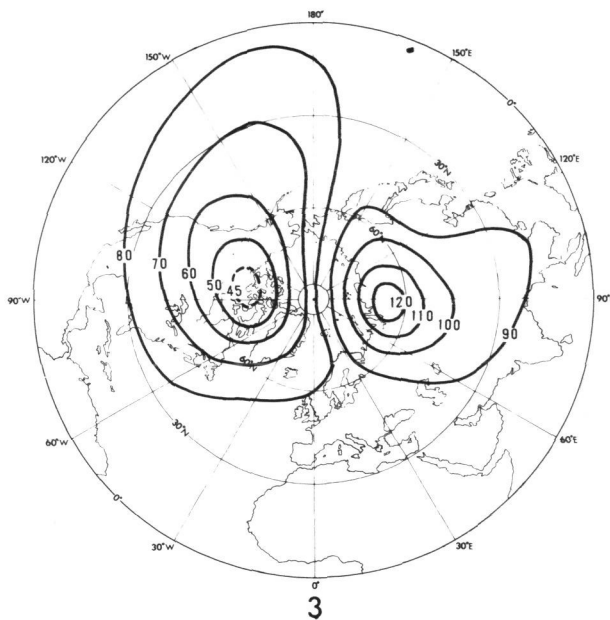
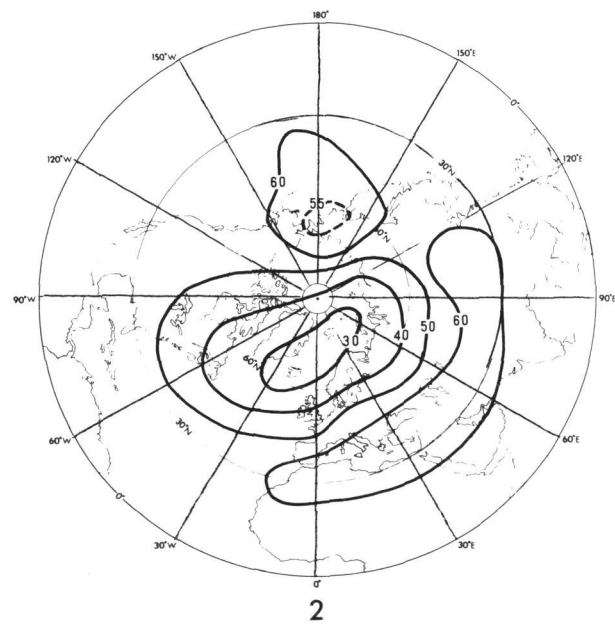
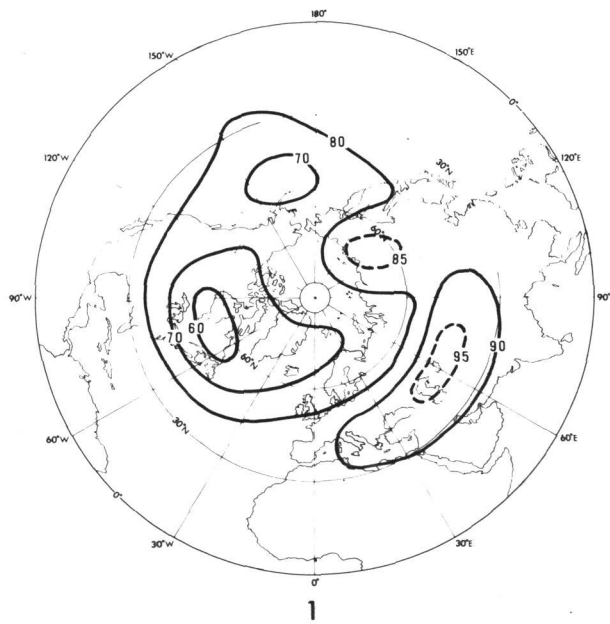


Figure 1-4. North Polar Stereographic Maps showing Isopleths of Radiance  $\text{mWm}^{-2}\text{sr}^{-1}(\text{cm}^{-1})^{-1}$  from SCR Channels A and B. The equivalent temperatures of a blackbody which would give the same radiance are given in Table 1-2. Each map was derived from 12 orbits of data acquired during a 24 hour period. Map 1 is channel A for 30 December 1970. Map 2 is channel B for 30 December 1970. Map 3 is channel A for 4 January 1971. Map 4 is channel B for 4 January 1971. The radiation measured by channel A originates in a layer approximately 20 km thick centered at the 2 mb (42 km) level, while that measured by channel B originates in a layer of similar thickness centered at 20 mb (26 Km)



mercator projections, meridional and zonal temperature cross sections, and mean thermal winds up to 0.5 mb. Figures 1-4, 1-5, and 1-6 are examples of these computer products.\*

Figure 1-4 shows radiance contours of the northern hemisphere for two of the six SCR channels. The radiation measured by channel A originates in a layer approximately 20 km thick centered at the 2 mb (42 km) level, while that measured by channel B originates in a layer of similar thickness centered at 20 mb (26 km). In Figure 1-4, 1 and 3 are northern hemisphere maps of channel A radiance, while 2 and 4 are northern hemisphere maps of channel B radiance.

These radiances can be interpreted in terms of atmospheric temperatures using the table below.

Table 1-2

Equivalent Temperature as a Function of Radiance for a Blackbody

Radiance $\text{mW m}^{-2} \text{sr}^{-1} (\text{cm}^{-1})^{-1}$	Equivalent Temperature (K)
30	201.0
40	213.7
50	224.7
60	234.5
70	243.6
80	251.9
90	259.8
100	267.2
110	274.2
120	281.0

Maps 1 and 2 for December 30, 1970 show a warming region developing over central Asia. By January 4, 1971 (Maps 3 and 4) the warm area had intensified and its center moved northeastward over Siberia. Data such as these are being used to monitor other "sudden warmings" to considerably greater heights than has previously been possible. Dr. Karin Labitske\*\* is using January's SCR, rocket observations, and Nimbus 4 SIRS data for an intensive analysis of this warming. Her results will be presented at the August 1971 IGU meeting in Moscow, U.S.S.R.

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\*Figure 1-4 was presented in Nature, Vol. 230, p. 48, March 5, 1971 and the data in Figures 1-5 and 1-6 are to be published in the Quarterly Journal of the Royal Meteorological Society.

\*\*Dr. Labitske is presently working at NCAR, Boulder, Colorado. She will soon return to the Institute for Meteorology and Geophysics of the Free University of Berlin.

Data from all six SCR channels were used to derive the meridional temperature cross sections shown in Figure 1-5. The cross sections are from near the earth's surface to heights of about 60 km.

The asymmetry in the seasonal temperature extremes between the north and south polar caps is quite interesting. During each pole's summer, these cross sections show a weak temperature lapse rate in the troposphere, a shallow tropopause, and a very steep temperature increase throughout the stratosphere. In winter, the north polar region shows a nearly isothermal troposphere and stratosphere with a very shallow tropopause and stratopause; while the south polar region, during its winter, displays a remarkably cold tropopause (180K) at the extremely high altitude equivalent to 30 mb. Indications of an unusually warm (270K) and high (0.5 mb) stratopause at the south pole are also found in the 16 July 1970 data.

The dynamic structure of the stratosphere is illustrated in Figure 1-6 which shows vertical cross sections for all longitudes around the 55-60 S latitude zone. Temperature deviations (in degrees Celsius) from the mean for this latitude zone for three days in September 1970 are shown. On each of the three days, the westward slope of the temperature deviations with height is clearly evident. For example, on 4 September, at a height of about 1 mb, the characteristic warm sector of the Southern Hemisphere (+20°C deviation) is located near 30E, while at 200 mb a deviation of equal amplitude is found near 90E. Five days later, on 9 September, this lower stratosphere warm sector has intensified to almost +25°C deviation and moved further eastward, while at the 1 mb level the warm sector has split into two centers, one at 50E and the other at 120W. In general it is observed that cold and warm regions in the upper stratosphere overlay warm and cold regions, respectively, in the lower stratosphere.

#### 1.10 The Interrogation, Recording and Location System (IRLS) Experiment

The IRLS balloon and platform information through 27 March 1971 was presented in Section 1.10 and Section 5 of Volume 4. After 27 March 1971, one buoy and one fixed platform were still being tracked by the IRLS. IRLS subsystem performance has been good.

#### 1.11 The Real Time Transmission System (RTTS) Experiment

The Nimbus 4 RTTS is not routinely transmitted because it interferes with IRIS (see Section 1.4) and SCR. However, DRID (RTTS-IDCS data) was on for three orbits each day over Antarctica to provide ice information for Antarctic resupply missions. The Navy reports that the data received was excellent. Figure 1-7 shows a DRID mosaic of Antarctica obtained by the Navy APT station at McMurdo, Antarctica.

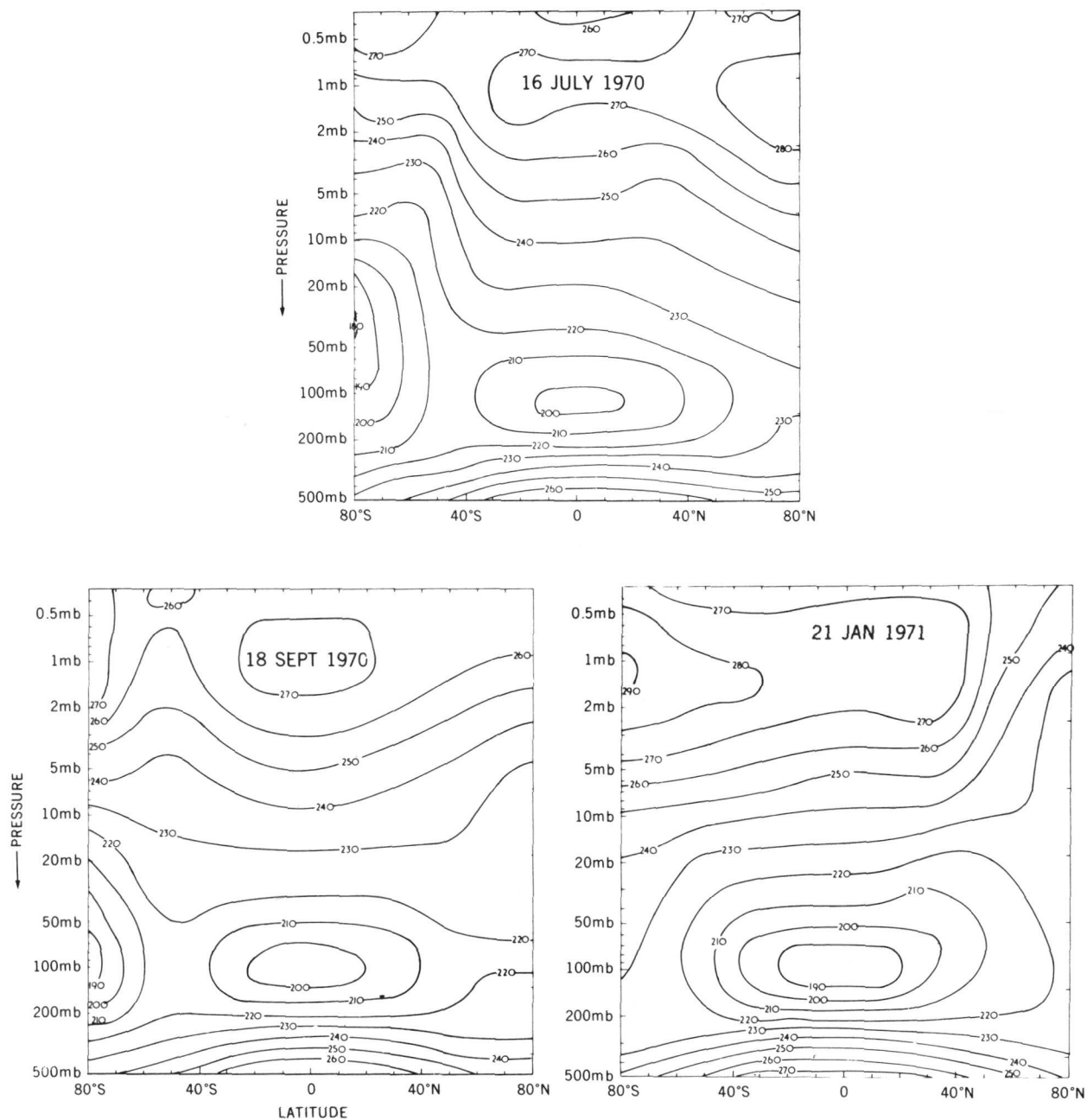


Figure 1-5. Meridional temperature cross sections from 500 mb to the 0.5 mb pressure level derived from SCR measurements on 16 July 1970, 18 September 1970 and 21 January 1971. Data from about twelve satellite passes at longitudes progressing successively westward by about 30 degrees were averaged for each latitude for each 24 hour period.



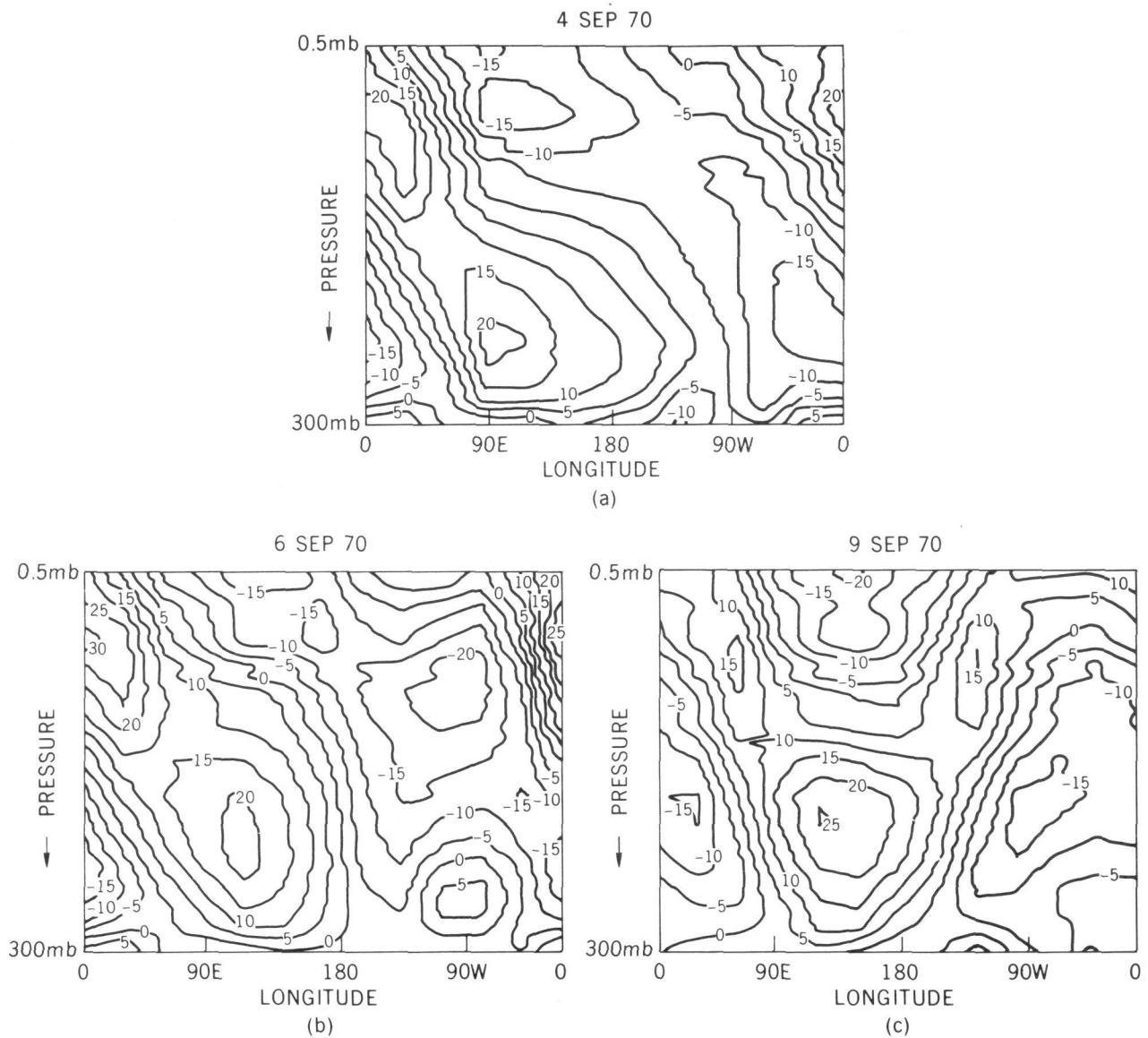


Figure 1-6. SCR derived cross sections of temperature deviation between the 300 and 0.5 mb levels at longitudes around the 55-60 S latitude zone, from the mean temperatures for this latitude zone on 4 September (a), 6 September (b), and 9 September (c) 1970. Temperature deviations are shown in degrees Celsius.

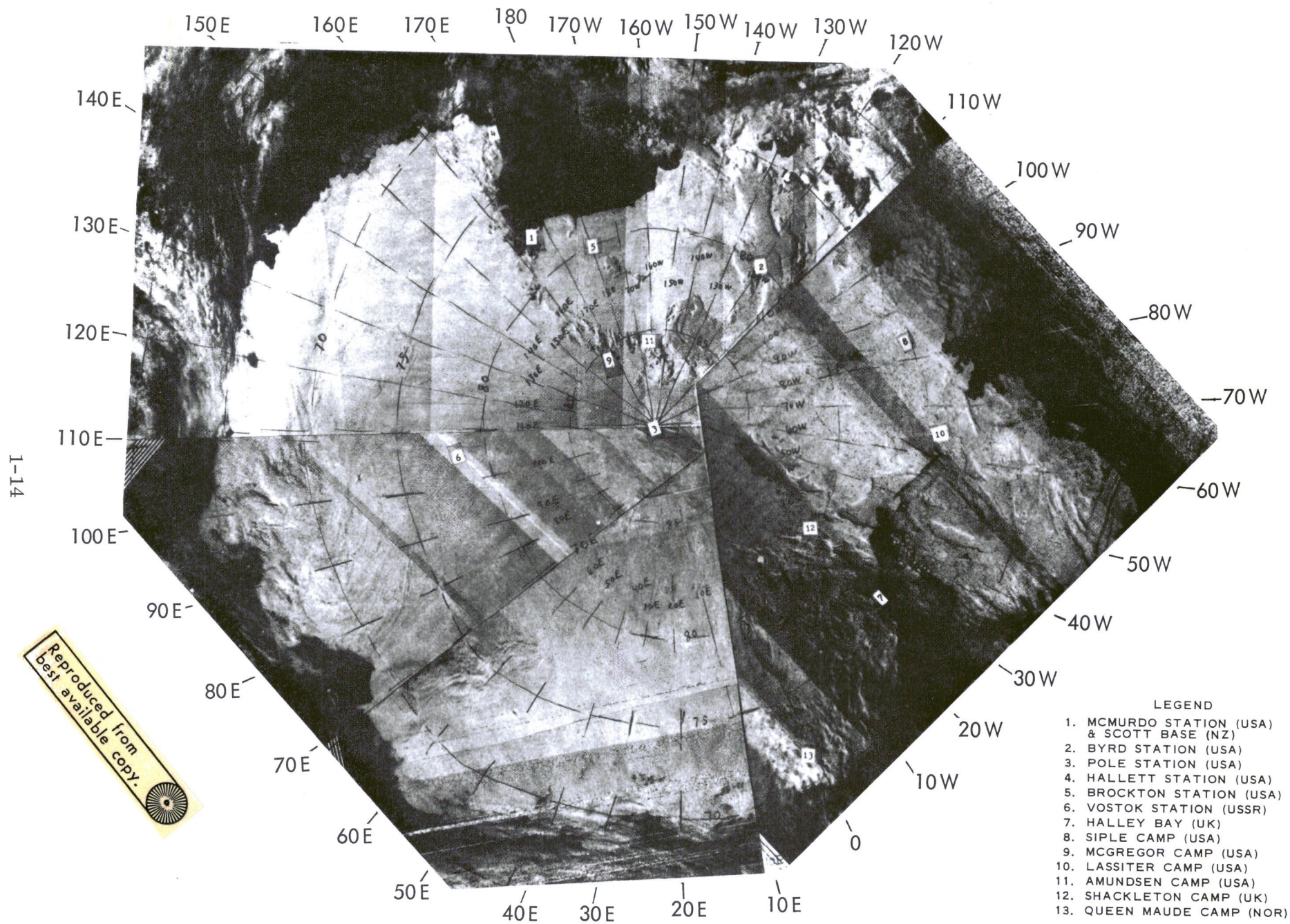


Figure 1-7. Nimbus 4 RTTS-IDCS Mosaic of Antarctica prepared from picture received during January 1971 by the U.S. Navy at McMurdo Station, Antarctica.



## SECTION 2

### ORBITAL ELEMENTS AND DAILY SENSORS "ON" TABLES

The Nimbus 4 Brouwer Mean orbital elements for January and February 1971 are listed in Table 2-1.

The Daily Sensors "On" Table (Table 2-2) lists the times during which the IRIS, IDCS and THIR subsystems were turned on and off. The other subsystems (BUV, MUSE, SCR and SIRS) were on for the time spans embraced by the THIR 11.5  $\mu\text{m}$  channel (when THIR was on) and, therefore, are not individually listed. However, for the period when THIR was off (see section 1.3), the BUV, MUSE, SCR and SIRS on-off times are listed in the THIR Temperature column.

Orbital sensor coverage in Table 2-2 is divided between daytime and nighttime data. The tabulation includes both the Universal Time (UT) and longitude of orbital equator crossing for the ascending nodes for daytime (D) data and descending nodes for nighttime (N) data. The tape recorder HDRSS (A or B) used to record the data is also listed. If both are used on the same orbit, the one with the longer record time is listed first. The HDRSS with the shortest record time, listed second, represents less than 25 minutes of data. The change from one HDRSS to the other is normally indicated by the short gap of "no data" in the montage displays in Section 3 and 4.

Table 2-2 together with the World Map (Figure 2-1) and the vellum Subsatellite Tracks Overlay attached to the back of this catalog can be used to determine approximate geographic sensor coverages.

A Subsatellite Tracks Overlay is correctly oriented with the World Map when the ascending or descending node line on the overlay lays over the 0 degree latitude (equator) line of the World Map. Orbital sensor coverage is determined by placing an orbit track on the world map at the appropriate ascending node (for daytime) or descending node (for nighttime) longitude for the orbit(s) of interest.

The Subsatellite Tracks Overlay contains 14 correctly spaced tracks which end at the approximate earth day/night transitions. The tracks contain time ticks spaced 5 minutes apart, appropriately annotated at the edge of the overlay, referenced from the equator. Minutes from equator crossings for all or part of a particular orbit are calculated by adding or subtracting from the ascending or descending node time listed for that orbit in the Daily Sensors "On" Table.

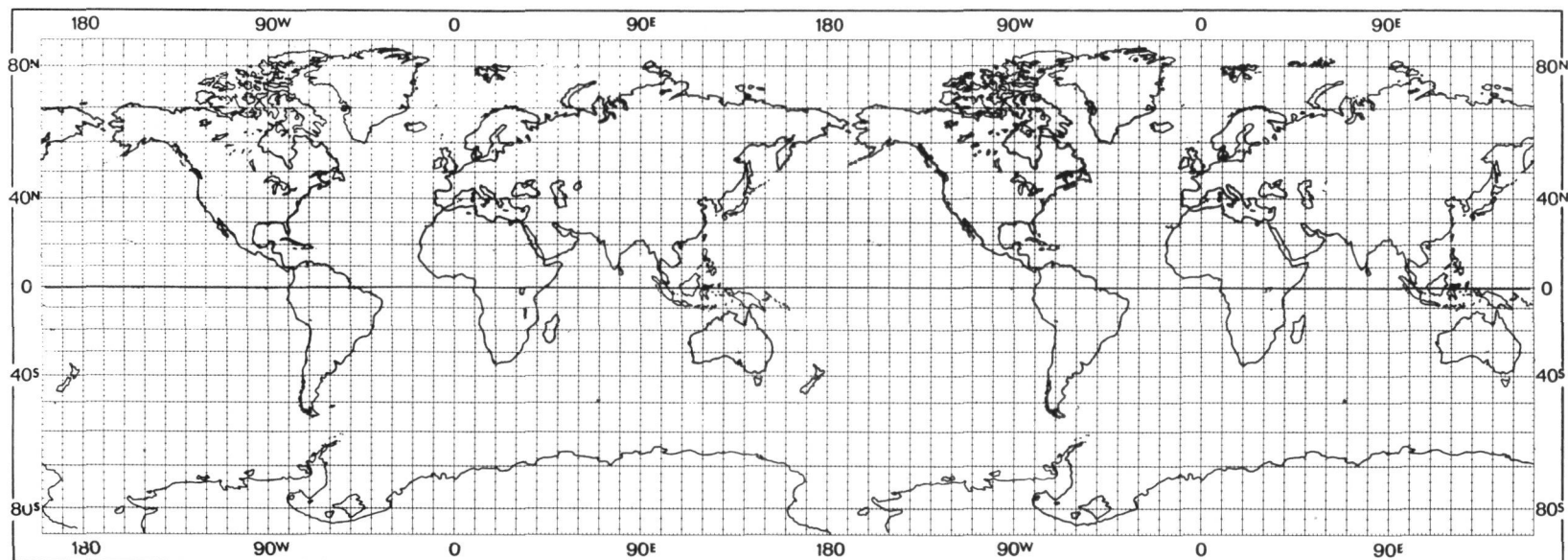


Figure 2-1 World Map



Table 2-1

BROUWER MEAN ORBITAL ELEMENTS FOR  
JANUARY AND FEBRUARY 1971

Epoch	Universal Time	08 Jan 1971 00 00 00	25 Jan 1971 00 00 00	08 Feb 1971 00 00 00	22 Feb 1971 00 00 00
Validity Period	Universal Time	FR 01 Jan 1971 00 00 00 TO 15 Jan 1971 23 50 00	FR 16 Jan 1971 00 00 00 TO 31 Jan 1971 23 50 00	FR 01 Feb 1971 00 00 00 TO 15 Feb 1971 23 50 00	FR 16 Feb 1971 00 00 00 TO 28 Feb 1971 23 50 00
Semi-Major Axis	Km	7471.6401	7471.6358	7471.6314	7471.6277
Eccentricity		.0008042	.0007594	.0007283	.0007041
Inclination	Degrees	99.8857	99.8861	99.8861	99.8859
Argument of Perigee	Degrees	34.9044	355.1267	319.8030	284.1087
Right Ascension of Ascending Node	Degrees	283.6228	300.2932	314.0216	327.7494
Mean Anomaly	Degrees	170.8386	313.2103	348.3775	23.9653
Height of Perigee	Km	1087.46	1087.79	1088.02	1088.19
Height of Apogee	Km	1099.48	1099.14	1098.90	1098.71
Anomalistic Period	Minutes	107.1226	107.1225	107.1224	107.1224

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 1 JANUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3595 D	00	45	58	E 165.31	A					00 14	01 03	00 16	00 58
3595 N	01	39	28	W028.07	A			01 03	01 27	01 03	01 27		
3596 D	02	33	12	E 138.49	B					02 01	02 50	02 04	02 49
3596 N	03	26	42	W054.88	B			02 50	03 47	02 50	03 49		
3597 D	04	20	26	E 111.71	B					03 49	03 58	03 51	03 58
3597 N	05	13	56	W081.70	B	05 05	05 36	05 05	05 35	05 05	05 36		
3598 D	06	07	40	E 084.89	B	05 36	06 24			05 36	06 24	05 38	06 23
3598 N	07	01	10	W108.48	B	06 24	07 23	06 25	06 41	06 24	06 41		
3598 N	07	01	10	W108.48	A			06 46	07 20	06 46	07 23		
3599 D	07	54	54	E 058.08	A	07 23	08 12			07 23	08 12	07 25	08 10
3599 N	08	48	25	W135.30	B/A	08 12	09 10	08 12	09 09	08 12	09 10		
3600 D	09	42	08	E 031.25	B	09 10	09 59			09 10	09 59	09 13	09 58
3600 N	10	35	39	W162.11	A/B	09 59	10 58	10 00	10 56	09 59	10 58		
3601 D	11	29	22	E 004.47	A	10 58	11 46			10 58	11 46	11 00	11 45
3601 N	12	22	53	E 171.06	B/A	11 46	12 45	11 47	12 44	11 46	12 45		
3602 D	13	16	36	W022.34	B	12 45	13 33			12 45	13 33	12 47	13 32
3602 N	14	10	07	E 144.28	A/B	13 33	14 32	13 34	14 30	13 33	14 32		
3603 D	15	03	50	W049.16	A	14 32	15 21			14 32	15 21	14 34	15 19
3603 N	15	57	21	E 117.46	B/A	15 21	16 19	15 21	16 19	15 21	16 19		
3604 D	16	51	05	W075.97	B	16 19	17 08			16 19	17 08	16 22	17 07
3604 N	17	44	35	E 090.65	A	17 08	18 07	17 11	18 05	17 11	18 07		
3605 D	18	38	19	W102.76	A	18 07	18 55			18 07	18 53	18 09	18 54
3605 N	19	31	49	E 063.84	B	18 55	19 54	18 55	19 52	18 55	19 54		
3606 D	20	25	33	W129.57	B	19 54	20 42			19 54	20 39	19 56	20 37
3606 N	21	19	03	E 037.05	A	20 42	21 41	20 43	21 39	20 42	21 41		
3607 D	22	12	47	W156.40	A	21 41	22 28			21 41	22 29	21 43	22 28
3607 N	23	06	17	E 010.24	A	22 40	23 28	22 41	23 27	22 41	23 28		

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 2 JANUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3608 D	00	00	01	E 176.79	A	23 28	00 17			23 28	00 17	23 31	00 16
3608 N	00	53	31	W016.59	A	00 17	00 36	00 17	00 41	00 17	00 43		
3609 D	01	47	15	E 150.00	B					01 41	02 04	01 42	02 03
3609 N	02	40	45	W043.40	B			02 05	03 01	02 04	03 03		
3610 D	03	34	29	E 123.19	B					03 03	03 42	03 05	03 43
3610 N	04	27	59	W070.19	B			04 21	04 46	04 21	04 50		
3611 D	05	21	43	E 096.36	B					04 50	05 38	04 52	05 37
3611 N	06	15	13	W097.00	B			05 39	05 58	05 38	05 58		
3611 N	06	15	13	W097.00	B			06 05	06 36	06 05	06 37		
3612 D	07	08	57	E 069.55	B	07 00	07 26			06 37	07 26	06 39	07 21
3612 N	08	02	27	W123.83	A/B	07 26	08 24	07 26	08 23	07 26	08 24		
3613 D	08	56	11	E 042.76	A	08 24	09 13			08 24	09 13	08 27	09 12
3613 N	09	49	42	W150.64	B/A	09 13	09 26	09 15	10 09	09 13	10 12		
3614 D	10	43	25	E 015.95	B					10 12	11 00	10 14	10 59
3614 N	11	36	56	W177.43	A/B	11 00	11 59	11 01	11 55	11 00	11 59		
3615 D	12	30	39	W010.88	A	11 59	12 47			11 59	12 47	12 01	12 46
3615 N	13	24	10	E 155.76	B/A	12 47	13 46	12 48	13 43	12 47	13 46		
3616 D	14	17	53	W037.69	B	13 46	14 35			13 46	14 35	13 48	14 33
3616 N	15	11	24	E 128.94	A/B	14 35	15 33	14 35	15 32	14 35	15 33		
3617 D	16	05	07	W064.46	A	15 33	16 22			15 33	16 22	15 36	16 21
3617 N	16	58	38	E 102.12	B	16 22	17 21	16 28	17 20	16 28	17 21		
3618 D	17	52	21	W091.29	B	17 21	18 09			17 21	18 09	17 23	18 08
3618 N	18	45	52	E 075.33	A	18 09	19 08	18 10	19 06	18 10	19 08		
3619 D	19	39	36	W118.10	A	19 08	19 54			19 08	19 54	19 10	19 52
3619 N	20	33	06	E 048.52	B			19 56	20 53	19 56	20 55		
3620 D	21	26	50	W144.92	B	21 20	21 44			20 55	21 43	20 58	21 42
3620 N	22	20	20	E 021.70	A	21 44	22 42	21 44	22 41	21 44	22 42		
3621 D	23	14	04	W171.70	A	22 42	23 31			22 42	23 29	22 44	23 30
3621 N	00	07	34	W005.11	A			23 47	00 26	23 42	00 30		

TABLE 2-2  
SENSOR ON - OFF TIMES  
DATE 3 JANUARY 1971

DATA ORBIT	ASCEND/DSCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3622 D	01	01	18	E 161.47	A					00 30	01 18	00 32	01 17
3622 N	01	54	48	W031.89	A			01 19	01 42	01 18	01 44		
3623 D	02	48	32	E 134.66	B					02 17	03 05	02 19	03 04
3623 N	03	42	02	W058.71	B			03 06	04 02	03 05	04 04		
3624 D	04	35	46	E 107.84	B					04 04	04 15	04 06	04 13
3624 N	05	29	16	W085.53	B	05 21	05 51	05 19	05 50	05 19	05 51		
3625 D	06	23	00	E 081.06	B	05 51	06 40			05 51	06 40	05 54	06 38
3625 N	07	16	30	W112.35	A/B	06 40	07 39	06 40	07 37	06 40	07 39		
3626 D	08	10	14	E 054.24	A	07 39	08 27			07 39	08 27	07 41	08 26
3626 N	09	03	44	W139.13	A	08 27	08 42	08 28	08 39	08 27	08 41		
3626 N	09	03	44	W139.13	B	09 00	09 26	08 42	09 24	08 42	09 26		
3627 D	09	57	28	E 027.43	B	09 26	10 14			09 26	10 14	09 32	10 13
3627 N	10	50	59	W165.95	A/B	10 14	11 13	10 15	11 02	10 14	11 13		
3628 D	11	44	42	E 000.60	A	11 13	12 01			11 13	12 01	11 15	12 00
3628 N	12	38	13	E 167.24	B/A	12 01	13 00	12 15	12 59	12 01	13 00		
3629 D	13	31	56	W026.18	B	13 00	13 49			13 00	13 49	13 02	13 48
3629 N	14	25	27	E 140.41	A/B	13 49	14 47	13 49	14 46	13 49	14 47		
3630 D	15	19	10	W053.00	A	14 47	15 36			14 47	15 36	14 50	15 35
3630 N	16	12	41	E 113.64	B	15 36	16 35	15 42	16 33	15 42	16 35		
3631 D	17	06	24	W079.81	B	16 35	17 23			16 35	17 23	16 37	17 22
3631 N	17	59	55	E 086.81	A	17 23	18 22	17 27	18 17	17 27	18 22		
3632 D	18	53	38	W106.62	A	18 22	19 10			18 22	19 10	18 24	19 09
3632 N	19	47	09	E 060.00	B	19 10	20 09	19 10	20 07	19 10	20 09		
3633 D	20	40	52	W133.41	B	20 09	20 55			20 09	20 55	20 11	20 57
3633 N	21	34	23	E 033.17	B	21 00	21 56	21 02	21 55	21 02	21 56		
3634 D	22	28	06	W160.23	B	21 56	22 45			21 56	22 44	21 59	22 44
3634 N	23	21	37	E 006.40	A	22 50	23 44	22 59	23 42	22 59	23 44		



**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 4 JANUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3635 D	00	15	21	E 172.95	A	23 44	00 32			23 44	00 32	23 46	00 31
3635 N	01	08	51	W020.43	A	00 32	00 52	00 32	01 00	00 32	01 01		
3636 D	02	02	35	E 146.14	B					01 31	02 19	01 33	02 18
3636 N	02	56	05	W047.24	B			02 20	03 17	02 19	03 18		
3637 D	03	49	49	E 119.35	B					03 18	03 31	03 20	03 31
3637 N	04	43	19	W074.05	B	04 36	05 05	04 35	05 04	04 35	05 05		
3638 D	05	37	03	E 092.54	B	05 05	05 54			05 05	05 54	05 08	05 53
3638 N	06	30	33	W100.84	A/B	05 54	06 53	05 54	06 51	05 54	06 53		
3639 D	07	24	17	E 065.71	A	06 53	07 41			06 53	07 41	06 55	07 40
3639 N	08	17	47	W127.65	B/A	07 41	07 57	07 41	08 39	07 41	08 40		
3640 D	09	11	31	E 038.90	B					08 40	09 28	08 42	09 27
3640 N	10	05	01	W154.48	B	09 30	10 27	09 29	09 41	09 28	09 42		
3640 N	10	05	01	W154.48	A			09 43	10 26	10 03	10 27		
3641 D	10	58	45	E 012.11	A	10 27	11 16			10 27	11 16	10 29	11 14
3641 N	11	52	16	E 178.71	B/A	11 16	12 14	11 16	12 10	11 16	12 14		
3642 D	12	45	59	W014.70	B	12 14	13 03			12 14	13 03	12 17	13 02
3642 N	13	39	30	E 151.92	B	13 03	13 12	13 03	13 09	13 03	13 12		
3642 N	13	39	30	E 151.92	A	13 13	14 02	13 13	14 00	13 13	14 01		
3643 D	14	33	13	W041.53	A	14 02	14 50			14 01	14 50	14 04	14 49
3643 N	15	26	44	E 125.11	B/A	14 50	15 49	14 51	15 47	14 50	15 49		
3644 D	16	20	27	W068.34	B	15 49	16 39			15 49	16 37	15 51	16 36
3644 N	17	13	58	E 098.29	B			16 45	17 33	16 45	17 36		
3645 D	18	07	41	W095.11	B					17 36	18 24	17 38	18 23
3645 N	19	01	12	E 071.48	A	18 20	19 23	18 25	19 20	18 25	19 23		
3646 D	19	54	55	W121.94	A/B	19 23	20 12	20 07	20 12	19 23	20 12	19 26	20 04
3646 N	20	48	26	E 044.69	B	20 12	21 10	20 12	21 08	20 12	21 10		
3647 D	21	42	09	W148.75	B	21 10	21 59			21 10	21 57	21 13	21 58
3647 N	22	35	40	E 017.87									
3648 D	23	29	23	W175.58									
3648 N	00	22	54	W008.95	A			00 12	00 43	00 12	00 45		

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 5 JANUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3649 D	01	16	37	E 157.65	A					00 45	01 33	00 47	01 32
3649 N	02	10	08	W035.76	A			01 34	02 06	01 33	02 06		
3650 D	03	03	52	E 130.82	B					02 32	03 21	02 34	03 20
3650 N	03	57	22	W062.55	B			03 21	04 18	03 21	04 19		
3651 D	04	51	06	E 104.01	B					04 19	04 29	04 22	04 29
3651 N	05	44	36	W089.36									
3652 D	06	38	20	E 077.19									
3652 N	07	31	50	W116.17	B	07 20	07 54	07 22	07 52	07 22	07 54		
3653 D	08	25	34	E 050.41	B	07 54	08 42			07 54	08 42	07 56	08 41
3653 N	09	19	04	W143.00	B	08 42	08 54	08 43	08 54	08 42	08 55		
3653 N	09	19	04	W143.00	B	09 00	09 41	09 00	09 40	09 00	09 41		
3654 D	10	12	48	E 023.59	B	09 41	10 30			09 41	10 30	09 43	10 28
3654 N	11	06	18	W169.78	A/B	10 30	11 28	10 30	11 27	10 30	11 14		
3655 D	12	00	02	W003.23	A	11 28	12 17					11 31	12 16
3655 N	12	53	33	E 163.40	B/A	12 17	13 16	12 17	13 14	12 30	13 16		
3656 D	13	47	16	W030.05	B	13 16	14 04			13 16	14 04	13 18	14 03
3656 N	14	40	49	E 136.59	A/B	14 04	15 03	14 04	15 01	14 04	15 03		
3657 D	15	34	30	W056.83	A	15 03	15 51			15 03	15 51	15 05	15 50
3657 N	16	28	01	E 109.76	B	15 51	16 50	15 56	16 48	15 57	16 50		
3658 D	17	21	44	W083.65	B	16 50	17 38			16 50	17 38	16 52	17 37
3658 N	18	15	15	E 082.99	A	17 38	18 37	17 42	18 35	17 42	18 37		
3659 D	19	08	58	W110.46	A	18 37	19 26			18 37	19 24	18 40	19 25
3659 N	20	02	29	E 056.16	B	19 26	20 24	19 26	20 24	19 26	20 24		
3660 D	20	56	12	W137.28	B	20 24	21 13			20 24	21 12	20 27	21 12
3660 N	21	49	43	E 029.35	A	21 21	22 12	21 13	22 09	21 13	22 12		
3661 D	22	43	26	W164.06	A	22 12	23 00			22 12	22 59	22 14	22 59
3661 N	23	36	57	E 002.53	A			23 12	23 55	23 12	23 59		

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 6 JANUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3662 D	00	30	40	E 169.12	A					23 59	00 47	00 01	00 46
3662 N	01	24	11	W024.25	A			00 48	01 14	00 47	01 14		
3663 D	02	17	54	E 142.30	B					01 46	02 35	01 49	02 34
3663 N	03	11	25	W051.08	B			02 35	03 30	02 35	03 33		
3664 D	04	05	08	E 115.49	B					03 33	03 45	03 36	03 46
3664 N	04	58	39	W077.89	B	04 51	05 21	04 50	05 19	04 50	05 21		
3665 D	05	52	22	E 088.70	B	05 21	06 09			05 21	06 09	05 23	06 08
3665 N	06	45	53	W104.71	A/B	06 09	07 08	06 09	07 06	06 09	07 08		
3666 D	07	39	37	E 061.89	A	07 08	07 56			07 08	07 56	07 10	07 55
3666 N	08	33	07	W131.49	B/A	07 56	08 55	07 57	08 53	07 56	08 55		
3667 D	09	26	51	E 035.06	B	08 55	09 44			08 55	09 44	08 57	09 43
3667 N	10	20	21	W158.31	A/B	09 44	10 42	09 44	10 40	09 44	10 42		
3668 D	11	14	05	E 008.25	A	10 42	11 31			10 42	11 31	10 45	11 30
3668 N	12	07	35	E 174.88	B/A	11 31	12 30	11 31	12 27	11 31	12 30		
3669 D	13	01	19	W018.54	B	12 30	13 18			12 30	13 18	12 32	13 17
3669 N	13	54	50	E 148.06	A/B	13 18	14 17	13 19	14 16	13 18	14 17		
3670 D	14	48	33	W045.35	A	14 17	15 05			14 17	15 05	14 19	15 04
3670 N	15	42	04	E 121.27	B/A	15 05	16 04	15 06	16 03	15 05	16 04		
3671 D	16	35	47	W072.18	B	16 04	16 53			16 04	16 53	16 06	16 51
3671 N	17	29	18	E 094.46	A	16 53	17 51	16 56	17 51	16 56	17 51		
3672 D	18	23	01	W098.99	A	17 51	18 40			17 51	18 38	17 54	18 39
3672 N	19	16	32	E 067.64	B	18 40	19 39	18 40	19 36	18 40	19 39		
3673 D	20	10	15	W125.78	B	19 39	20 26			19 39	20 25	19 41	20 26
3673 N	21	03	46	E 040.83	A	20 30	21 26	20 27	21 23	20 27	21 26		
3674 D	21	57	29	W152.59	A	21 26	22 13			21 26	22 12	21 28	22 13
3674 N	22	51	00	E 014.04									
3675 D	23	44	43	W179.40									
3675 N	00	38	14	W012.77	A			00 12	00 58	00 12	01 00		

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 7 JANUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3676 D	01	31	57	E 153.77	A					01 00	01 49	01 03	01 48
3676 N	02	25	28	W039.60	A			01 49	02 15	01 49	02 14		
3677 D	03	19	11	E 127.00	B					02 47	03 36	02 50	03 35
3677 N	04	12	42	W066.41	B			03 36	04 31	03 36	04 35		
3678 D	05	06	25	E 100.17	B					04 35	04 44	04 37	04 44
3678 N	05	59	56	W093.20	B	05 50	06 22	05 49	06 20	05 49	06 22		
3679 D	06	53	39	E 073.36	B	06 22	07 10			06 22	07 10	06 24	07 09
3679 N	07	47	10	W120.01	B	07 10	07 22	07 11	07 31	07 10	07 31		
3679 N	07	47	10	W120.01	A	07 30	08 09	07 32	08 07	07 32	08 09		
3680 D	08	40	53	E 046.54	A	08 09	08 58			08 09	08 58	08 12	08 57
3680 N	09	34	24	W146.84	B/A	08 58	09 56	08 58	09 54	08 58	09 56		
3681 D	10	28	07	E 019.76	B	09 56	10 45			09 56	10 45	09 59	10 44
3681 N	11	21	38	W173.65	A/B	10 45	11 44	10 46	11 42	10 45	11 44		
3682 D	12	15	22	W007.06	A	11 44	12 32			11 44	12 32	11 46	12 31
3682 N	13	08	52	E 159.56	B/A	12 32	13 31	12 33	13 29	12 32	13 31		
3683 D	14	02	36	W033.88	B	13 31	14 19			13 31	14 19	13 33	14 18
3683 N	14	56	07	E 132.75	A/B	14 19	15 18	14 20	15 16	14 19	15 18		
3684 D	15	49	50	W060.70	A	15 18	16 07			15 18	16 07	15 20	16 06
3684 N	16	43	21	E 105.94	B	16 07	17 05	16 13	17 02	16 13	17 05		
3685 D	17	37	04	W087.48	B	17 05	17 54			17 05	17 54	17 08	17 53
3685 N	18	30	35	E 079.11	A	17 54	18 53	17 57	18 51				
3686 D	19	24	18	W114.30	A	18 53	19 41					18 55	19 37
3686 N	20	17	49	E 052.34	B	19 41	20 40	19 41	20 37	19 41	20 40		
3687 D	21	11	32	W141.11	B	20 40	21 28			20 40	21 25	20 42	21 24
3687 N	22	05	03	E 025.51	A	21 28	22 27	21 29	22 24	21 28	22 27		
3688 D	22	58	46	W167.94	A	22 27	23 13			22 27	23 12	22 29	23 11
3688 N	23	52	17	W001.30	A			23 26	00 12	23 47	00 14		



**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 8 JANUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3689 D	00	46	00	E 165.28	A					00 14	01 03	00 17	01 05
3689 N	01	39	31	W028.12	A			01 03	01 28	01 03	01 28		
3690 D	02	33	14	E 138.47	B					02 02	02 50	02 04	02 49
3690 N	03	26	45	W054.94	B			02 50	03 47	02 50	03 49		
3691 D	04	20	28	E 111.65	B					03 49	04 00	03 51	04 02
3691 N	05	13	59	W081.72	B			05 04	05 33	05 04	05 36		
3692 D	06	07	42	E 084.84	B					05 36	06 24	05 38	06 23
3692 N	07	01	13	W108.54	A/B			06 25	07 23	06 24	07 23		
3693 D	07	54	56	E 058.05	A					07 23	08 12	07 26	08 11
3693 N	08	48	27	W135.36	B/A			08 12	09 08	08 12	09 11		
3694 D	09	42	10	E 031.24	B					09 11	09 59	09 13	09 58
3694 N	10	35	41	W162.17	A/B			09 59	10 53	09 59	10 58		
3695 D	11	29	24	E 004.41	A					10 58	11 46	11 00	11 45
3695 N	12	22	55	E 171.04	B/A			11 47	12 40	11 46	12 45		
3696 D	13	16	38	W022.40	B					12 45	13 33	12 47	13 32
3696 N	14	10	09	E 144.23	A/B			13 34	14 29	13 33	14 32		
3697 D	15	03	52	W049.19	A					14 32	15 21	14 35	15 20
3697 N	15	57	24	E 117.40	B/A			15 27	16 16	15 21	16 19		
3698 D	16	51	07	W076.00	B					16 19	17 08	16 22	17 07
3698 N	17	44	38	E 090.59	A			17 12	18 04	17 12	18 07		
3699 D	18	38	21	W102.83	A					18 07	18 54	18 09	18 54
3699 N	19	31	52	E 063.81	B			18 55	19 51	18 55	19 54		
3700 D	20	25	35	W129.64	B					19 54	20 42	19 56	20 42
3700 N	21	19	06	E 036.99	A			20 43	21 40	20 42	21 41		
3701 D	22	12	49	W156.43	A					21 41	22 27	21 44	22 29
3701 N	23	06	20	E 010.18									

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 9 JANUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3702 D	00	00	03	E 176.76	A					23 39	00 17	23 41	00 16
3702 N	00	53	34	W016.65	A			00 17	01 13	00 17	01 16		
3703 D	01	47	17	E 149.95	B/A					01 16	02 04	01 18	02 03
3703 N	02	40	48	W043.42	B			02 04	03 01	02 04	03 03		
3704 D	03	34	31	E 123.12	B					03 03	03 40	03 05	03 40
3704 N	04	28	02	W070.25	B			04 22	04 47	04 22	04 50		
3705 D	05	21	45	E 096.35	B					04 50	05 39	04 52	05 38
3705 N	06	15	16	W097.06	B	06 00	06 37	05 39	05 57	05 39	05 57		
3705 N	06	15	16	W097.06	B			06 04	06 36	06 04	06 37		
3706 D	07	08	59	E 069.52	B	06 37	07 26			06 37	07 26	06 40	07 25
3706 N	08	02	30	W123.88	A/B	07 26	08 25	07 26	08 23	07 26	08 25		
3707 D	08	56	13	E 042.71	A	08 25	09 13			08 25	09 13	08 27	09 12
3707 N	09	49	44	W150.66	A	09 13	09 24	09 14	09 23	09 13	09 24		
3707 N	09	49	44	W150.66	A	09 30	10 12	09 30	10 08	09 30	10 12		
3708 D	10	43	27	E 015.88	A	10 12	11 00			10 12	11 00	10 14	10 59
3708 N	11	36	58	W177.49	B/A	11 00	11 59	11 01	11 58	11 00	11 59		
3709 D	12	30	41	W010.89	B	11 59	12 48			11 59	12 48	12 01	12 46
3709 N	13	24	12	E 155.70	A/B	12 48	13 46	12 48	13 45	12 48	13 46		
3710 D	14	17	55	W037.72	A	13 46	14 35			13 46	14 35	13 49	14 34
3710 N	15	11	26	E 128.88	B/A	14 35	15 34	14 35	15 32	14 35	15 34		
3711 D	16	05	09	W064.53	B	15 34	16 22			15 34	16 21	15 36	16 21
3711 N	16	58	41	E 102.10	B	16 30	17 21	16 30	17 19				
3712 D	17	52	23	W091.35	B	17 21	18 09			17 21	18 09	17 23	18 08
3712 N	18	45	55	E 075.28	B	18 09	19 08	18 16	19 07	18 16	19 08		
3713 D	19	39	37	W118.13	B	19 08	19 56			19 08	19 56	19 10	19 55
3713 N	20	33	09	E 048.47	B	20 00	20 55	20 02	20 53	20 02	20 55		
3714 D	21	26	52	W144.95	B	20 55	21 41			20 55	21 42	20 58	21 43
3714 N	22	20	23	E 021.65	A	21 53	22 32	21 53	22 32	21 53	22 31		
3715 D	23	14	06	W171.77									
3715 N	00	07	37	W005.14									

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 10 JANUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3716 D	01	19	20	E 161.41									
3716 N	01	54	51	W031.95	B	02 12	02 17						
3717 D	02	48	34	E 134.63	B	02 17	03 05			02 17	03 05	02 19	03 04
3717 N	03	42	05	W058.77	B	03 05	04 15	03 06	04 01	03 05	04 04		
3718 D	04	35	48	E 107.82	B					04 04	04 15		
3718 N	05	29	19	W085.58	B	05 19	05 52	05 20	05 49	05 20	05 51		
3719 D	06	23	02	E 081.00	B	05 52	06 40			05 51	06 40	05 51	06 39
3719 N	07	16	33	W112.37	B	06 40	07 39	06 40	06 59	06 40	07 00		
3719 N	07	16	33	W112.37	B			07 07	07 38	07 07	07 39		
3720 D	08	10	16	E 054.18	B	07 39	08 27			07 39	08 27	07 38	08 26
3720 N	09	03	47	W139.18	B	08 27	09 26	08 28	08 41	08 27	08 40		
3720 N	09	03	47	W139.18	B			08 47	09 22	08 47	09 26		
3721 D	09	57	30	E 027.40	B	09 26	10 14			09 26	10 14	09 28	10 13
3721 N	10	51	01	W166.01	B	10 14	10 27	10 15	10 25	10 14	10 26		
3721 N	10	51	01	W166.01	B	10 33	11 13	10 33	11 12	10 33	11 13		
3722 D	11	44	44	E 000.58	B	11 13	12 02			11 13	12 02	11 15	12 01
3722 N	12	38	15	E 167.18	B	12 02	12 13	12 02	12 12	12 02	12 11		
3722 N	12	38	15	E 167.18	B	12 18	13 00	12 18	12 59	12 18	13 00		
3723 D	13	31	58	W026.24	B	13 00	13 49			13 00	13 49	13 03	13 48
3723 N	14	25	29	E 140.39	B	13 49	14 48	13 49	13 58	13 49	13 58		
3723 N	14	25	29	E 140.39	B			14 05	14 46	14 05	14 48		
3724 D	15	19	12	W053.05	B	14 48	15 36			14 48	15 36	14 50	15 35
3724 N	16	12	43	E 113.58	B	15 36	16 35	15 36	15 43				
3724 N	16	12	43	E 113.58	B			15 49	16 33	15 49	16 35		
3725 D	17	06	26	W079.84	B	16 35	17 23			16 35	17 23	16 37	17 22
3725 N	17	59	57	E 086.75	B	17 30	18 22	17 32	18 21	17 32	18 22		
3726 D	18	53	40	W106.65	B	18 22	19 11			18 22	19 10	18 24	19 03
3726 N	19	47	12	E 059.94	B	19 11	20 09	19 16	20 08	19 16	20 09		
3727 D	20	40	54	W133.48	B	20 09	20 57			20 09	20 56	20 12	20 57
3727 N	21	34	26	E 033.15	B	21 02	21 57	21 02	21 54	21 02	21 57		
3728 D	22	28	08	W160.29	B	21 57	22 45			21 57	22 43	21 59	22 44
3728 N	23	21	40	E 006.34									



TABLE 2-2  
SENSOR ON – OFF TIMES  
DATE 11 JANUARY 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY*		BUV, MUSE SCR, SIRS*		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3729 D	00	15	22	E 172.92									
3729 N	01	08	54	W020.48									
3730 D	02	02	36	E 146.11	B							01 33	02 18
3730 N	02	56	08	W047.30									
3731 D	03	49	51	E 119.28	B							03 18	03 28
3731 N	04	43	22	W074.07									
3732 D	05	37	05	E 092.47	B							05 08	05 53
3732 N	06	30	36	W100.90	B					06 24	06 53		
3733 D	07	24	19	E 065.70	B					06 53	07 41	06 55	07 40
3733 N	08	17	50	W127.71	B					07 41	07 56		
3733 N	08	17	50	W127.71	B					08 01	08 40		
3734 D	09	11	33	E 038.87	B					08 40	09 28	08 42	09 27
3734 N	10	05	04	W154.53	B					09 28	09 41		
3734 N	10	05	04	W154.53	B					09 47	10 27		
3735 D	10	58	47	E 012.06	B					10 27	11 16	10 30	11 15
3735 N	11	52	18	E 178.69	B					11 16	11 27		
3735 N	11	52	18	E 178.69	B					11 32	12 14		
3736 D	12	46	01	W014.77	B					12 14	13 03	12 17	13 02
3736 N	13	39	32	E 151.87	B					13 03	13 12		
3736 N	13	39	32	E 151.87	B					13 17	14 02		
3737 D	14	33	15	W041.54	B					14 02	14 50	14 04	14 49
3737 N	15	26	46	E 125.05	B					14 50	15 01		
3737 N	15	26	46	E 125.05	B					15 06	15 49		
3738 D	16	20	29	W068.37	B	16 10	16 37			15 49	16 37	15 51	16 36
3738 N	17	14	00	E 098.23	B	16 37	16 42			16 37	16 42		
3738 N	17	14	00	E 098.23	B	16 49	17 36			16 49	17 36		
3739 D	18	07	43	W095.18	B	17 36	18 25			17 36	18 25	17 39	18 24
3739 N	19	01	14	E 071.45	B	18 25	18 28			18 25	18 28		
3739 N	19	01	14	E 071.45	B	18 33	19 23			18 33	19 23		
3740 D	19	54	57	W122.00	B	19 23	20 12			19 23	20 12	19 26	20 11
3740 N	20	48	29	E 044.63	B	20 12	21 11			20 12	21 11		
3741 D	21	42	11	W148.78	B	21 11	21 58			21 11	21 58	21 13	21 58
3741 N	22	35	43	E 017.82	A	22 10	22 33			22 10	22 33		
3742 D	23	29	25	W175.61									
3742 N	00	22	57	W009.01									

\*THIR was not on for these orbits. See Section 1.3.



**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 12 JANUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3743 D	01	16	39	E 157.58									
3743 N	02	10	11	W035.78									
3744 D	03	03	53	E 130.76	B	02 53	03 21			02 55	03 21	02 35	03 13
3744 N	03	57	25	W062.61	B	03 21	04 20			03 21	04 20		
3745 D	04	51	07	E 103.98	B	04 20	04 30			04 20	04 30	04 22	04 29
3745 N	05	44	39	W089.42	B			05 34	06 05	05 34	06 07		
3746 D	06	38	21	E 077.17	B	06 28	06 55			06 07	06 55	06 09	06 54
3746 N	07	31	53	W116.23	B	06 55	07 16	06 55	07 11	06 55	07 15		
3746 N	07	31	53	W116.23	B			07 21	07 52	07 21	07 54		
3747 D	08	25	36	E 050.34	B					07 54	08 43	07 56	08 34
3747 N	09	19	07	W143.02	B	08 49	08 56	08 43	08 55	08 43	08 55		
3747 N	09	19	07	W143.02	B	09 02	09 41	09 02	09 40	09 02	09 41		
3748 D	10	12	50	E 023.53	B	09 41	10 30			09 41	10 30	09 44	10 29
3748 N	11	06	21	W169.83	B	10 30	10 41	10 30	10 40	10 30	10 41		
3748 N	11	06	21	W169.83	B	10 48	11 29	10 48	11 28	10 48	11 29		
3749 D	12	00	04	W003.26	B	11 29	12 17			11 29	12 17	11 31	12 16
3749 N	12	53	35	E 163.34	B	12 17	12 26	12 17	12 26	12 17	12 27		
3749 N	12	53	35	E 163.34	B	12 34	13 16	12 34	13 14	12 34	13 16		
3750 D	13	47	18	W030.07	B	13 16	14 04			13 16	14 04	13 18	14 03
3750 N	14	40	49	E 136.53	B	14 04	14 14	14 04	14 13	14 04	14 13		
3750 N	14	40	49	E 136.53	B	14 19	15 03	14 19	15 02	14 19	15 03		
3751 D	15	34	32	W056.89	B	15 03	15 52			15 03	15 52	15 05	15 50
3751 N	16	28	03	E 109.74	B	16 02	16 50	16 01	16 47	16 01	16 50		
3752 D	17	21	46	W083.71	B	16 50	17 39			16 50	17 39	16 53	17 38
3752 N	18	15	17	E 082.93	B	17 46	18 38	17 47	18 37	17 47	18 38		
3753 D	19	09	00	W110.49	B	18 38	19 25			18 38	19 25	18 40	19 25
3753 N	20	02	31	E 056.10	B	19 31	20 25	19 31	20 23	19 31	20 25		
3754 D	20	56	14	W137.31	B	20 25	21 12			20 25	21 11	20 27	21 12
3754 N	21	49	46	E 029.29	B	21 17	22 12	21 17	22 09	21 17	22 12		
3755 D	22	43	28	W164.13	B	22 12	23 00			22 12	23 00	22 14	22 59
3755 N	23	37	00	E 002.50									

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 13 JANUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3756 D	00	30	42	E 169.06	B					23 59	00 48	00 01	00 47
3756 N	01	24	14	W024.31	B			00 48	01 43	00 48	01 47		
3757 D	02	17	56	E 142.27	B					01 47	02 00	01 49	01 59
3757 N	03	11	28	W051.13									
3758 D	04	05	10	E 115.46	A					04 05	04 22	04 07	04 21
3758 N	04	58	42	W077.95	A			04 22	04 42	04 22	04 43		
3758 N	04	58	42	W077.95	B			04 51	05 19	04 51	05 21		
3759 D	05	52	24	E 088.63	B					05 21	06 09	05 23	06 08
3759 N	06	45	56	W104.73	B	06 36	07 08	06 09	06 29	06 09	06 29		
3759 N	06	45	56	W104.73	B			06 36	07 07	06 36	07 08		
3760 D	07	39	38	E 061.82	B	07 08	07 57			07 08	07 57	07 10	07 55
3760 N	08	33	10	W131.55	B	07 57	08 10	07 57	08 08	07 57	08 09		
3760 N	08	33	10	W131.55	B	08 16	08 55	08 16	08 52	08 16	08 55		
3761 D	09	26	52	E 035.04	B	08 55	09 44			08 55	09 44	08 58	09 43
3761 N	10	20	24	W158.36	B	09 44	09 56	09 44	09 54	09 44	09 55		
3761 N	10	20	24	W158.36	B	10 04	10 43	10 02	10 40				
3762 D	11	14	06	E 008.22	B	10 43	11 31					10 45	11 30
3762 N	12	07	38	E 174.82	B	11 31	11 44	11 31	11 42	11 50	12 30		
3762 N	12	07	38	E 174.82	B	11 50	12 30	11 50	12 26				
3763 D	13	01	20	W018.59	B	12 30	13 18			12 30	13 18	12 32	13 17
3763 N	13	54	52	E 148.04	B	13 18	13 28	13 18	13 26	13 18	13 27		
3763 N	13	54	52	E 148.04	B	13 41	14 17	13 33	14 14	13 33	14 17		
3764 D	14	48	35	W045.42	B	14 17	15 06			14 17	15 06	14 19	15 04
3764 N	15	42	06	E 121.22	B	15 06	15 13	15 06	15 12	15 06	15 13		
3764 N	15	42	06	E 121.22	B	15 19	16 04	15 19	16 02	15 19	16 04		
3765 D	16	35	49	W072.19	B	16 04	16 53			16 04	16 53	16 06	16 52
3765 N	17	29	20	E 094.40	B	16 53	17 01	16 53	16 59	16 53	16 59		
3765 N	17	29	20	E 094.40	B	17 06	17 52	17 06	17 50	17 06	17 52		
3766 D	18	23	03	W099.02	B	17 52	18 40			17 52	18 39	17 54	18 39
3766 N	19	16	34	E 067.58	B	18 45	19 39	18 45	19 37	18 45	19 39		
3767 D	20	10	17	W125.83	B	19 39	20 27			19 39	20 24	19 41	20 23
3767 N	21	03	48	E 040.80	B	20 27	21 26	20 30	21 22				
3768 D	21	57	31	W152.66	B	21 26	22 12					21 28	22 10
3768 N	22	51	03	E 013.98	A	22 29	23 04	22 25	22 46	22 25	22 46		
3768 N	22	51	03	E 013.98	B			22 51	23 02	22 51	23 02		
3769 D	23	44	45	W179.43									
3769 N	00	38	17	W012.83									



TABLE 2-2  
SENSOR ON - OFF TIMES  
DATE 14 JANUARY 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3770 D	01	31	59	E 153.74	B	01 21	01 49			01 01	01 49	01 03	01 48
3770 N	02	25	31	W039.66	B	01 49	02 48	01 49	02 46	01 49	02 48		
3771 D	03	19	13	E 126.93	B	02 48	03 03			02 48	03 02	02 50	03 00
3771 N	04	12	45	W066.43									
3772 D	05	06	27	E 100.11									
3772 N	05	59	59	W093.26	B	05 49	06 22	05 49	06 20	05 49	06 22		
3773 D	06	53	41	E 073.33	B	06 22	07 11			06 22	07 11	06 25	07 10
3773 N	07	47	13	W120.07	B	07 11	07 31	07 11	07 31	07 11	07 31		
3773 N	07	47	13	W120.07	B	07 36	08 10	07 37	08 08	07 36	08 10		
3774 D	08	40	55	E 046.52	B	08 10	08 58			08 10	08 58	08 12	08 57
3774 N	09	34	27	W146.90	B	08 58	09 09	08 58	09 08	08 58	09 09		
3774 N	09	34	27	W146.90	B	09 24	09 57	09 15	09 54	09 15	09 57		
3775 D	10	28	09	E 019.69	B	09 57	10 45			09 57	10 45	10 02	10 44
3775 N	11	21	41	W173.67	B	10 45	10 57	10 45	10 56	10 45	10 57		
3775 N	11	21	41	W173.67	B	11 09	11 44	11 03	11 41	11 03	11 44		
3776 D	12	15	23	W007.12	B	11 44	12 32			11 44	12 32	11 46	12 31
3776 N	13	08	55	E 159.52	B	12 32	12 42	12 32	12 40	12 32	12 42		
3776 N	13	08	55	E 159.52	B			12 48	13 28	12 48	13 31		
3777 D	14	02	37	W033.91	B					13 31	14 20	13 33	14 18
3777 N	14	56	09	E 132.69	B	14 20	14 27	14 20	14 25				

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY*		BUV, MUSE SCR, SIRS*		IDCS	
3777 N	14	56	09	E 132.69	B					14 20	14 27		
3777 N	14	56	09	E 132.69	B	14 32	15 19			14 33	15 19		
3778 D	15	49	51	W060.72	B	15 19	16 07			15 19	16 07	15 21	16 06
3778 N	16	43	23	E 105.88	B	16 07	16 14			16 07	16 15		
3778 N	16	43	23	E 105.88	B	16 20	17 06			16 20	17 06		
3779 D	17	37	05	W087.54	B	17 06	17 53			17 06	17 53	17 08	17 53
3779 N	18	30	37	E 079.09	B	17 58	18 53			17 58	18 53		
3780 D	19	24	19	W114.36	B	18 53	19 41			18 53	19 41	18 59	19 40
3780 N	20	17	51	E 052.28	B	19 41	19 45			19 41	19 45		
3780 N	20	17	51	E 052.28	B	19 52	20 40			19 52	20 40		
3781 D	21	11	34	W141.15	B	20 40	21 29			20 40	21 29	20 42	21 27
3781 N	22	05	05	E 025.45	B	21 36	22 27			21 36	22 27		
3782 D	22	58	48	W167.96	B	22 27	23 17			22 27	23 17	22 29	23 15
3782 N	23	52	19	W001.36									

\*THIR was not on for these orbits. See Section 1.3.

TABLE 2-2  
SENSOR ON - OFF TIMES  
DATE 15 JANUARY 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY*		BUV, MUSE SCR, SIRS*		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3783 D	00	46	02	E 165.22									
3783 N	01	39	34	W028.15	B					01 59	02 02		
3784 D	02	33	16	E 138.41	B					02 02	02 50	02 04	02 49
3784 N	03	26	48	W054.95	B	03 06	03 49			02 50	03 49		
3785 D	04	20	30	E 111.62	B	03 49	04 01			03 49	04 01		
3785 N	05	14	02	W081.78	B	05 26	05 36			05 05	05 36		
3786 D	06	07	44	E 084.81	B	05 36	06 17			05 36	06 25	05 38	06 23
3786 N	07	01	16	W108.59	B					06 25	06 48		
3786 N	07	01	16	W108.59	B	06 56	07 24			06 56	07 24		
3787 D	07	54	58	E 057.98	B	07 24	08 12			07 24	08 12	07 26	08 11
3787 N	08	48	30	W135.38	B	08 12	08 24			08 12	08 24		
3787 N	08	48	30	W135.38	B	08 30	09 11			08 30	09 11		
3788 D	09	42	12	E 031.17	B	09 11	09 59			09 11	09 59	09 16	09 58
3788 N	10	35	44	W162.19	B	09 59	10 15			09 59	10 15		
3788 N	10	35	44	W162.19	B	10 20	10 58			10 20	10 58		
3789 D	11	29	26	E 004.40	B	10 58	11 47			10 58	11 47	11 00	11 45
3789 N	12	22	58	E 170.98	B	11 47	11 59			12 06	12 45		
3790 D	13	16	40	W022.43	B	13 06	13 34			12 45	13 34	12 47	13 32
3790 N	14	10	12	E 144.17	B	13 34	13 47			13 34	13 47		
3790 N	14	10	12	E 144.17	B	13 58	14 33			13 58	14 33		
3791 D	15	03	54	W049.24	B	14 33	15 21			14 33	15 21	14 35	15 20
3791 N	15	57	26	E 117.40	B	15 21	15 33			15 21	15 33		
3791 N	15	57	26	E 117.40	B	15 38	16 20			15 38	16 20		
3792 D	16	51	08	W076.07	B	16 20	17 08			16 20	17 08	16 22	17 07
3792 N	17	44	40	E 090.57	B	17 08	17 14			17 08	17 14		
3792 N	17	44	40	E 090.57	B	17 20	18 07			17 20	18 07		
3793 D	18	38	22	W102.84	B	18 07	18 56			18 07	18 56	18 09	18 54
3793 N	19	31	54	E 063.76	B	18 56	19 00			18 56	19 00		
3793 N	19	31	54	E 063.76	B	19 05	19 54			19 05	19 54		
3794 D	20	25	36	W129.67	B	19 54	20 40			19 54	20 40	19 56	20 38
3794 N	21	19	08	E 036.94	B	21 00	21 42			20 46	21 42		
3795 D	22	12	50	W156.48	B	21 42	22 27			21 42	22 27	21 44	22 25
3795 N	23	06	22	E 010.16						23 25	23 29		

\*THIR was not on for these orbits. See Section 1.3.



TABLE 2-2  
SENSOR ON – OFF TIMES  
DATE 16 JANUARY 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY*		BUV, MUSE SCR, SIRS*		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3796 D	00	00	04	E 176.70	B					23 29	00 17	23 31	00 16
3796 N	00	53	36	W016.67	B	01 04	01 16			00 17	01 16		
3797 D	01	47	18	E 149.92	B	01 16	01 27			01 16	01 23	01 18	01 25
3797 N	02	40	50	W043.48									
3798 D	03	34	33	E 123.10									
3798 N	04	28	05	W070.30	A	03 54	04 13			03 54	04 13		
3798 N	04	28	05	W070.30	B	04 22	04 51			04 22	04 51		
3799 D	05	21	47	E 096.28	B	04 51	05 39			04 51	05 39	04 52	05 38
3799 N	06	15	19	W097.08	B	05 39	06 01			05 39	06 01		
3799 N	06	15	19	W097.08	B	06 07	06 38			06 07	06 38		
3800 D	07	09	01	E 069.46	B	06 38	07 26			06 38	07 26	06 40	07 25
3800 N	08	02	33	W123.90	B	07 26	07 40			07 26	07 40		
3800 N	08	02	33	W123.90	B	07 45	08 25			07 45	08 25		
3801 D	08	56	15	E 042.68	B	08 25	09 13			08 25	09 13	08 27	09 12
3801 N	09	49	47	W150.72	B	09 13	09 26			09 22	09 26		
3801 N	09	49	47	W150.72	B	09 32	10 12			09 32	10 12		
3802 D	10	43	29	E 015.87	B	10 12	11 01			10 12	11 01	10 14	10 59
3802 N	11	37	01	W177.54	B	11 01	11 14			11 01	11 13		
3802 N	11	37	01	W177.54	B	11 19	11 59			11 19	11 59		
3803 D	12	30	43	W010.95	B	11 59	12 48			11 59	12 48	12 01	12 46
3803 N	13	24	15	E 155.68	B	12 48	12 58			12 48	12 58		
3803 N	13	24	15	E 155.68	B	13 04	13 47			13 04	13 47		
3804 D	14	17	57	W037.77	B	13 47	14 35			13 47	14 35	13 49	14 34
3804 N	15	11	29	E 128.86	B	14 35	14 45			14 35	14 45		
3804 N	15	11	29	E 128.86	B	14 54	15 34			14 54	15 34		
3805 D	16	05	11	W064.55	B	15 34	16 22			15 34	16 22	15 36	16 21
3805 N	16	58	43	E 102.05	B	16 22	16 29			16 22	16 29		
3805 N	16	58	43	E 102.05	B	16 35	17 21			16 35	17 21		
3806 D	17	52	25	W091.37	B	17 21	18 10			17 21	18 10	17 23	18 08
3806 N	18	45	57	E 075.24	B	18 10	18 12			18 10	18 12		
3806 N	18	45	57	E 075.24	B	18 18	19 08			18 18	19 08		
3807 D	19	39	39	W118.19	B	19 08	19 57			19 08	19 57	19 10	19 55
3807 N	20	33	11	E 048.45	B	20 03	20 56			20 03	20 56		
3808 D	21	26	53	W145.00	B	20 56	21 39			20 56	21 44	20 58	21 43
3808 N	22	20	25	E 021.63									
3809 D	23	14	07	W171.79									
3809 N	00	07	39	W005.19									

\*THIR was not on for these orbits. See Section 1.3.



TABLE 2-2  
SENSOR ON - OFF TIMES  
DATE 17 JANUARY 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY*		BUV, MUSE SCR, SIRS*		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3810 D	01	01	21	E 161.40	B	00 50	01 19			00 30	01 19	00 32	01 14
3810 N	01	54	53	W032.00	B	01 19	02 17			01 19	02 17		
3811 D	02	48	35	E 134.57	B	02 17	02 30			02 17	02 30		
3811 N	03	42	07	W058.79									
3812 D	04	35	49	E 107.76									
3812 N	05	29	21	W085.60	A	04 52	05 11			04 52	05 11		
3812 N	05	29	21	W085.60	B	05 21	05 52			05 21	05 52		
3813 D	06	23	03	E 080.97	B	05 52	06 40			05 52	06 40	05 54	06 39
3813 N	07	16	36	W112.43	B	06 40	07 00			06 40	07 00		
3813 N	07	16	36	W112.43	B	07 29	07 39			07 06	07 39		
3814 D	08	10	17	E 054.16	B	07 39	08 28			07 39	08 28	07 41	08 26
3814 N	09	03	50	W139.24	B	08 28	08 40			08 28	08 42		
3814 N	09	03	50	W139.24	B	08 47	09 26			08 47	09 26		
3815 D	09	57	32	E 027.35	B	09 26	10 15			09 26	10 15	09 28	10 13
3815 N	10	51	04	W166.03	B	10 15	10 23			10 15	10 27		
3815 N	10	51	04	W166.03	B	10 33	11 14			10 33	11 14		
3816 D	11	44	46	E 000.52	B	11 14	12 02			11 14	12 02	11 16	12 01
3816 N	12	38	18	E 167.16	B	12 02	12 12			12 02	12 12		
3816 N	12	38	18	E 167.16	B	12 18	13 01			12 18	13 01		
3817 D	13	32	00	W026.26	B	13 01	13 49			13 01	13 49	13 03	13 48
3817 N	14	25	32	E 140.33	B	13 49	14 00			13 49	14 00		
3817 N	14	25	32	E 140.33	B	14 06	14 48			14 06	14 48		
3818 D	15	19	14	W053.08	B	14 48	15 37			14 48	15 37	14 50	15 35
3818 N	16	12	46	E 113.52	B	15 37	15 44			15 37	15 44		
3818 N	16	12	46	E 113.52	B	15 55	16 35			15 49	16 35		
3819 D	17	06	28	W079.89	B	16 35	17 24			16 35	17 24	16 37	17 22
3819 N	18	00	00	E 086.73	B	17 24	17 26			17 24	17 26		
3819 N	18	00	00	E 086.73	B	17 32	18 23			17 32	18 23		
3820 D	18	53	42	W106.72	B	18 23	19 12			18 23	19 12	18 24	19 10
3820 N	19	47	14	E 059.92	B	19 17	20 10			19 17	20 10		
3821 D	20	40	56	W133.49	B	20 10	20 57			20 10	20 57	20 11	20 57
3821 N	21	34	28	E 033.11	B	21 03	21 57			21 03	21 57		
3822 D	22	28	10	W160.32	B	21 57	22 46			21 57	22 46	21 59	22 45
3822 N	23	21	42	E 006.29									

\*THIR was not on for these orbits. See Section 1.3.



TABLE 2-2  
SENSOR ON – OFF TIMES  
DATE 18 JANUARY 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY*		BUV, MUSE SCR, SIRS*		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3823 D	00	15	24	E 172.87	B	23 41	00 33			23 41	00 33	23 46	00 31
3823 N	01	08	56	W020.49	B	00 33	01 29			00 33	01 31		
3824 D	02	02	38	E 146.04	B					01 31	01 47	01 34	01 41
3824 N	02	56	10	W047.32									
3825 D	03	49	52	E 119.27									
3825 N	04	43	24	W074.13	A	04 09	04 28			04 09	04 28		
3825 N	04	43	24	W074.13	B	04 46	05 06			04 37	05 06		
3826 D	05	37	06	E 092.44	B	05 06	05 54			05 06	05 54	05 08	05 53
3826 N	06	30	38	W100.95	B	05 54	06 16			05 54	06 16		
3826 N	06	30	38	W100.95	B	06 22	06 53			06 22	06 53		
3827 D	07	24	20	E 065.63	B	06 53	07 42			06 53	07 42	06 55	07 40
3827 N	08	17	53	W127.73	B	07 42	07 56			07 42	07 58		
3827 N	08	17	53	W127.73	B					08 04	08 40		
3828 D	09	11	34	E 038.81	B					08 40	09 29	08 43	09 28
3828 N	10	05	07	W154.55	B					09 29	09 41		
3828 N	10	05	07	W154.55	B	10 09	10 28			09 46	10 28		
3829 D	10	58	48	E 012.03	B	10 28	11 16			10 28	11 16		
3829 N	11	52	21	E 178.64	B	11 16	11 29			11 16	11 29		
3829 N	11	52	21	E 178.64	B	11 34	12 15			11 34	12 15		
3830 D	12	46	02	W014.78	B	12 15	13 03			12 15	13 03		
3830 N	13	39	35	E 151.81	B	13 03	13 17			13 03	13 17		
3830 N	13	39	35	E 151.81	B	13 23	14 02			13 23	14 02		
3831 D	14	33	16	W041.61	B	14 02	14 51			14 02	14 51	14 04	14 49
3831 N	15	26	49	E 125.00	B	14 51	14 58			14 51	14 58		
3831 N	15	26	49	E 125.00	B					15 04	15 49		
3832 D	16	20	30	W068.42	B					15 49	16 39	15 52	16 37
3832 N	17	14	03	E 098.21	B	16 39	16 45			16 39	16 45		
3832 N	17	14	03	E 098.21	B	16 50	17 37			16 50	17 37		
3833 D	18	07	45	W095.21	B	17 37	18 26			17 37	18 26	17 39	18 24
3833 N	19	01	17	E 071.40	B	18 31	19 24			18 31	19 24		
3834 D	19	54	59	W122.02	B	19 24	20 10			19 24	20 10		
3834 N	20	48	31	E 044.57	B	20 15	21 11			20 15	21 11		
3835 D	21	42	13	W148.84	B	21 11	22 00			21 11	22 00	21 13	21 58
3835 N	22	35	45	E 017.76									
3836 D	23	29	27	W175.66									
3836 N	00	22	59	W009.01	B	00 37	00 46			00 37	00 46		

\* THIR was not on for these orbits. See Section 1.3.

TABLE 2-2  
SENSOR ON – OFF TIMES  
DATE 19 JANUARY 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY*		BUV, MUSE SCR, SIRS*		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3837 D	01	16	41	E 157.55	B	00 46	01 34			00 46	01 34	00 48	01 33
3837 N	02	10	13	W035.84	B	01 34	02 30			01 34	02 33		
3838 D	03	03	55	E 130.74	B					02 33	02 39		
3838 N	03	57	27	W062.65									
3839 D	04	51	09	E 103.92									
3839 N	05	44	41	W089.48	A	05 07	05 25			05 07	05 25		
3840 D	06	38	23	E 077.11	B	06 28	06 37			06 28	06 37	06 20	06 37
3840 N	07	31	55	W116.25	B	07 17	07 55			07 17	07 55		
3841 D	08	25	37	E 050.32	B	07 55	08 43			07 55	08 43	07 57	08 42
3841 N	09	19	09	W143.08	B	08 43	08 56			08 43	08 56		
3841 N	09	19	09	W143.08	B	09 02	09 42			09 02	09 42		
3842 D	10	12	51	E 023.51	B	09 42	10 30			09 42	10 30	09 54	10 25
3842 N	11	06	24	W169.89	B	10 30	10 45			10 30	10 45		
3842 N	11	06	24	W169.89	B	10 51	11 29			10 51	11 29		
3843 D	12	00	05	W003.31	B	11 29	12 17			11 29	12 17	11 31	12 16
3843 N	12	53	38	E 163.29	B	12 17	12 24			12 17	12 27		
3843 N	12	53	38	E 163.29	B	12 32	13 16			12 32	13 16		
3844 D	13	47	19	W030.13	B	13 16	14 05			13 16	14 05	13 18	14 03
3844 N	14	40	52	E 136.51	B	14 05	14 15			14 05	14 15		
3844 N	14	40	52	E 136.51	A	14 22	14 41			14 22	14 40		
3845 D	15	34	33	W056.91									
3845 N	16	28	06	E 109.68									
3846 D	17	21	47	W083.73									
3846 N	18	15	20	E 082.87	B	17 41	18 38			17 41	18 38		
3847 D	19	09	01	W110.54	B	18 38	19 26			18 38	19 26	18 40	19 25
3847 N	20	02	34	E 056.05	B	19 26	19 29			19 26	19 29		
3847 N	20	02	34	E 056.05	B	19 34	20 25			19 34	20 25		
3848 D	20	56	15	W137.37	B	20 25	21 15			20 25	21 15	20 27	21 12
3848 N	21	49	48	E 029.27	B	21 21	22 12			21 21	22 12		
3849 D	22	43	29	W164.15	B	22 12	23 01			22 12	23 01	22 15	23 00
3949 N	23	37	02	E 002.45	B					23 56	00 00		

\*THIR was not on for these orbits. See Section 1.3.



**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 20 JANUARY 1971**

DATA ORBIT	ASCEND/DSCEND NODE				HDRSS	IRIS		THIR HUMIDITY*		BUV, MUSE SCR, SIRS*		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3850 D	00	30	44	E 169.03	B	00 20	00 48			00 00	00 48	00 02	00 47
3850 N	01	24	16	W024.36	B	00 48	01 47			00 48	01 47		
3850 N	01	24	16	W024.36	B	01 47	01 58			01 47	01 58		
3851 D	02	17	58	E 142.22									
3851 N	03	11	30	W051.18									
3852 D	04	05	12	E 115.39									
3852 N	04	58	44	W077.97	A	04 24	04 42			04 24	04 42		
3853 D	05	52	26	E 088.62	A	05 47	05 51			05 47	05 51	05 34	05 51
3853 N	06	45	58	W104.78	B					06 32	07 09		
3854 D	07	39	40	E 061.79	B					07 09	07 57	07 11	07 56
3854 N	08	33	12	W131.60	B	07 54	08 08			07 57	08 08		
3854 N	08	33	12	W131.60	B	08 22	08 56			08 16	08 56		
3855 D	09	26	54	E 034.98	B	08 56	09 44			08 56	09 44	08 58	09 42
3855 N	10	20	26	W158.41	B	09 44	09 55			09 44	09 56		
3855 N	10	20	26	W158.41	B	10 02	10 43			10 02	10 43		
3856 D	11	14	08	E 008.15	B	10 43	11 32			10 43	11 32	10 45	11 30
3856 N	12	07	40	E 174.80	B	11 32	11 42			11 32	11 42		
3856 N	12	07	40	E 174.80	B	11 48	12 30			11 48	12 30		
3857 D	13	01	22	W018.62	B	12 30	13 19			12 30	13 19	12 32	13 17
3857 N	13	54	55	E 147.99	B	13 19	13 29			13 19	13 29		
3857 N	13	54	55	E 147.99	B	13 36	14 18			13 36	14 18		
3858 D	14	48	36	W045.43	B	14 18	15 06			14 18	15 06	14 20	15 05
3858 N	15	42	09	E 121.16	B	15 06	15 13			15 06	15 13		
3858 N	15	42	09	E 121.16	A	15 23	15 42			15 23	15 42		
3859 D	16	35	50	W072.26									
3859 N	17	29	23	E 094.35	A	17 10	17 28			17 10	17 28		
3860 D	18	23	04	W099.07									
3860 N	19	16	37	E 067.56	B	18 44	19 39			18 40	19 39		
3861 D	20	10	18	W125.86	B	19 39	20 29			19 39	20 29	19 41	20 27
3861 N	21	03	51	E 040.75	B	20 48	21 27			20 36	21 27		
3862 D	21	57	32	W152.67	B	21 27	22 16			21 27	22 16	21 29	22 14
3862 N	22	51	05	E 013.92									
3863 D	23	44	46	W179.50									
3863 N	00	38	19	W012.89	B	00 50	01 01			00 50	01 01		

\*THIR was not on for these orbits. See Section 1.3.

TABLE 2-2  
SENSOR ON – OFF TIMES  
DATE 21 JANUARY 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY*		BUV, MUSE SCR, SIRS*		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3864 D	01	32	00	E 153.69	B	01 01	01 49			01 01	01 49	01 01	01 48
3864 N	02	25	33	W039.68	B	01 49	02 48			01 49	02 48		
3865 D	03	19	14	E 126.90	B	02 48	02 52			02 48	02 52		
3865 N	04	12	47	W066.49	A	03 50	04 00			03 50	04 00		
3866 D	05	06	28	E 100.09	A	04 58	05 18			04 58	05 18	04 58	05 15
3866 N	06	00	01	W093.30									
3867 D	06	53	42	E 073.27	A	06 52	07 06			06 52	07 06	06 46	07 06
3867 N	07	47	15	W120.13	B	07 31	08 10			07 31	08 10		
3868 D	08	40	57	E 046.45	B	08 10	08 58			08 10	08 58	08 12	08 57
3868 N	09	34	29	W146.90	B	08 58	09 12			08 58	09 12		
3868 N	09	34	29	W146.90	B	09 17	09 57			09 17	09 57		
3869 D	10	28	11	E 019.66	B	09 57	10 46			09 57	10 46	09 59	10 44
3869 N	11	21	43	W173.73	B	10 46	10 59			10 46	10 59		
3869 N	11	21	43	W173.73	B	11 17	11 44			11 04	11 44		
3870 D	12	15	25	W007.15	B	11 44	12 33			11 44	12 33	11 47	12 32
3870 N	13	08	57	E 159.46	B	12 33	12 44			12 33	12 44		
3870 N	13	08	57	E 159.46	B					12 49	13 32		
3871 D	14	02	39	W033.96	B					13 32	14 20	13 34	14 19
3871 N	14	56	11	E 132.64	B	14 17	14 28			14 20	14 28		
3871 N	14	56	11	E 132.64	A	14 38	15 01			14 38	15 01		
3872 D	15	49	53	W060.78									
3872 N	16	43	26	E 105.86	B	16 20	16 43			16 20	16 43		
3873 D	17	37	07	W087.56									
3873 N	18	30	40	E 079.04	B					17 57	18 53		
3874 D	19	24	21	W114.39	B	19 37	19 42			18 53	19 42	18 56	19 41
3874 N	20	17	54	E 052.22	B	19 50	20 41			19 50	20 41		
3875 D	21	11	35	W141.20	B	20 41	21 29			20 41	21 29	20 43	21 28
3875 N	22	05	08	E 025.40	B	21 29	21 32			21 29	21 32		
3875 N	22	05	08	E 025.40	B	21 37	22 28			21 37	22 28		
3876 D	22	58	49	W168.02	B	22 28	23 15			22 28	23 15	22 30	23 15
3876 N	23	52	22	W001.38									

\*THIR was not on for these orbits. See Section 1.3.



TABLE 2-2  
SENSOR ON – OFF TIMES  
DATE 22 JANUARY 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY*		BUV, MUSE SCR, SIRS*		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3877 D	00	46	03	E 165.20	B					00 14	01 04	00 17	01 02
3877 N	01	39	36	W028.20	B	01 47	02 00			01 04	02 02		
3878 D	02	33	17	E 138.38	B					02 02	02 16	02 04	02 15
3878 N	03	26	50	W055.01									
3879 D	04	20	31	E 111.56									
3879 N	05	14	04	W081.84	B	04 38	04 57			04 38	04 57		
3880 D	06	07	45	E 084.74	A	05 59	06 21			05 59	06 21	06 00	06 21
3880 N	07	01	18	W108.62	B	06 46	07 24			06 46	07 24		
3881 D	07	54	59	E 057.96	B	07 24	08 13			07 24	08 13	07 26	08 11
3881 N	08	48	32	W135.43	B	08 13	08 27			08 13	08 27		
3881 N	08	48	32	W135.43	B	08 36	09 11			08 33	09 11		
3882 D	09	42	13	E 031.14	B	09 11	10 00			09 11	10 00	09 13	09 59
3882 N	10	35	46	W162.25	B	10 00	10 11			10 00	10 11		
3882 N	10	35	46	W162.25	B	10 17	10 59			10 17	10 59		
3883 D	11	29	27	E 004.33	B	10 59	11 47			10 59	11 47	11 01	11 46
3883 N	12	23	00	E 170.94	B	11 47	11 57			11 47	11 57		
3883 N	12	23	00	E 170.94	B	12 02	12 46			12 02	12 46		
3884 D	13	16	41	W022.49	B	12 46	13 34			12 46	13 34	12 48	13 30
3884 N	14	10	14	E 144.15	B	13 34	13 45			13 34	13 45		
3884 N	14	10	14	E 144.15	A	13 54	14 16			13 54	14 16		
3885 D	15	03	56	W049.27									
3885 N	15	57	28	E 117.34	A	15 36	15 59			15 36	15 59		
3886 D	16	51	10	W076.09									
3886 N	17	44	42	E 090.51	A	17 30	17 52			17 30	17 52		
3887 D	18	38	24	W102.91									
3887 N	19	31	56	E 063.70	B	18 55	19 55			18 55	19 55		
3888 D	20	25	38	W129.72	B	19 55	20 40			19 55	20 40	19 57	20 39
3888 N	21	19	11	E 036.91	B	20 46	21 42			20 46	21 42		
3889 D	22	12	52	W156.51	B	21 42	22 28			21 42	22 28	21 48	22 26
3889 N	23	06	25	E 010.10									

\* THIR was not on for these orbits. See Section 1.3.

TABLE 2-2  
SENSOR ON - OFF TIMES  
DATE 23 JANUARY 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY*		BUV, MUSE SCR, SIRS*		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3890 D	00	00	06	E 176.68									
3890 N	00	53	39	W016.73									
3891 D	01	47	20	E 149.85	B	01 14	02 05			01 14	02 05	01 19	02 00
3891 N	02	40	53	W043.54	B	02 05	03 00			02 05	03 04		
3892 D	03	34	34	E 123.04	B					03 04	03 17	03 03	03 13
3892 N	04	28	07	W070.33	A	03 50	04 13			03 50	04 13		
3893 D	05	21	48	E 096.25									
3893 N	06	15	21	W097.14									
3894 D	07	09	02	E 069.44	A	06 58	07 19			06 58	07 19	06 58	07 18
3894 N	08	02	35	W123.96	B	07 40	08 25			07 40	08 25		
3895 D	08	56	16	E 042.61	B	08 25	09 14			08 25	09 14	08 28	09 09
3895 N	09	49	49	W150.78	B	09 14	09 27			09 14	09 27		
3895 N	09	49	49	W150.78	B	09 36	10 13			09 33	10 13		
3896 D	10	43	30	E 015.80	B	10 13	11 01			10 13	11 01	10 11	10 56
3896 N	11	37	03	W177.55	B	11 01	11 12			11 01	11 15		
3896 N	11	37	03	W177.55	B	11 30	12 00			11 20	12 00		
3897 D	12	30	44	W010.98	B	12 00	12 48			12 00	12 48	12 02	12 47
3897 N	13	24	17	E 155.62	B	12 48	12 59			12 48	12 59		
3897 N	13	24	17	E 155.62	B	13 04	13 47			13 04	13 47		
3898 D	14	17	58	W037.80	B	13 47	14 36			13 47	14 36	13 49	14 34
3898 N	15	11	31	E 128.81	B	14 36	14 43			14 36	14 43		
3898 N	15	11	31	E 128.81	A	14 48	15 11			14 48	15 12		
3899 D	16	05	12	W064.61									
3899 N	16	58	45	E 101.99	A	16 35	16 58			16 35	16 58		
3900 D	17	52	26	W091.44									
3900 N	18	45	59	E 075.21	B	18 09	19 09			18 09	19 09		
3901 D	19	39	40	W118.21	B	19 09	19 55			19 09	19 55	19 08	19 53
3901 N	20	33	13	E 048.38	B	20 44	20 56			20 03	20 56		
3902 D	21	26	54	W145.04	B	20 56	21 43			20 56	21 43	20 55	21 40
3902 N	22	20	27	E 021.57	B	21 48	22 43			21 48	22 43		
3903 D	23	14	09	W171.85	B	22 43	23 31			22 43	23 31	22 45	23 27
3903 N	00	07	42	W005.25									

\*THIR was not on for these orbits. See Section 1.3.



TABLE 2-2  
SENSOR ON – OFF TIMES  
DATE 24 JANUARY 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY*		BUV, MUSE SCR, SIRS*		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3904 D	01	01	23	E 161.32	B	00 50	01 19			00 31	01 19	00 33	01 14
3904 N	01	54	56	W032.03	B	01 19	02 18			01 19	02 18		
3905 D	02	48	37	E 134.55	B	02 18	02 33			02 18	02 33	02 20	02 30
3905 N	03	42	10	W058.85									
3906 D	04	35	51	E 107.72	A	04 48	04 54			04 48	04 54		
3906 N	05	29	24	W085.66	A	04 54	05 11			04 54	05 11		
3907 D	06	23	05	E 080.91	A	06 11	06 34			06 11	06 34	06 12	06 33
3907 N	07	16	38	W112.49	B	07 00	07 40			07 00	07 40		
3908 D	08	10	19	E 054.09	B	07 40	08 28			07 40	08 28	07 38	08 23
3908 N	09	03	52	W139.27	B	08 28	08 42			08 28	08 42		
3908 N	09	03	52	W139.27	B	08 48	09 27			08 48	09 27		
3909 D	09	57	33	E 027.31	B	09 27	10 15			09 27	10 15	09 26	10 11
3909 N	10	51	06	W166.09	B	10 15	10 28			10 15	10 28		
3909 N	10	51	06	W166.09	B	10 35	11 14			10 35	11 14		
3910 D	11	44	47	E 000.49	B	11 14	12 03			11 14	12 03	11 13	11 58
3910 N	12	38	20	E 167.10	B	12 03	12 14			12 03	12 14		
3910 N	12	38	20	E 167.10	B	12 19	13 01			12 19	13 01		
3911 D	13	32	01	W026.33	B	13 01	13 50			13 01	13 50	13 03	13 48
3911 N	14	25	34	E 140.29	B	13 50	13 58			13 50	13 58		
3911 N	14	25	34	E 140.29	A	14 03	14 25			14 03	14 25		
3912 D	15	19	15	W053.14									
3912 N	16	12	48	E 113.50	A	15 49	16 12			15 49	16 12		
3913 D	17	06	29	W079.93									
3913 N	18	00	02	E 086.69	B	17 36	17 59			17 36	17 59		
3914 D	18	53	43	W106.74									
3914 N	19	47	16	E 059.86	B	19 10	20 10			19 10	20 10		
3915 D	20	40	57	W133.56	B	20 10	20 57			20 10	20 57	20 09	20 54
3915 N	21	34	30	E 033.05	B	21 03	21 57			21 03	21 57		
3916 D	22	28	11	W160.34	B	21 57	22 43			21 57	22 43	21 56	22 41
3916 N	23	21	44	E 006.26									

\* THIR was not on for these orbits. See Section 1.3.

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 25 JANUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY*		BUV, MUSE SCR, SIRS*		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3917 D	00	15	25	E 172.83	B	23 45	00 33			23 45	00 33	23 47	00 28
3917 N	01	08	58	W020.55	B	00 33	01 29			00 33	01 32		
3918 D	02	02	39	E 146.02	B					01 32	01 47		
3918 N	02	56	13	W047.38									
3919 D	03	49	53	E 119.20									
3919 N	04	43	27	W074.19	A	04 05	04 27			04 05	04 27		
3920 D	05	37	07	E 092.42	A	05 26	05 48			05 26	05 48	05 26	05 47
3920 N	06	30	41	W100.98									
3921 D	07	24	22	E 065.60	A	07 13	07 36					07 13	07 36
3921 N	08	17	55	W127.79	B	07 57	08 41			07 57	08 41		
3922 D	09	11	36	E 038.78	B	08 41	09 29			08 41	09 29	08 40	09 25
3922 N	10	05	09	W154.62	B	09 29	09 43			09 29	09 43		
3922 N	10	05	09	W154.62	B	09 48	10 28			09 48	10 28		
3923 D	10	58	50	E 011.96	B	10 28	11 17			10 28	11 17	10 27	11 12
3923 N	11	52	23	E 178.57	B	11 17	11 29			11 17	11 29		
3924 D	12	46	04	W014.82	B							12 14	12 59
3924 N	13	39	37	E 151.78	B	13 08	13 14			13 21	14 03		
3925 D	14	33	18	W041.63	B					14 03	14 51	14 01	14 46
3925 N	15	26	51	E 124.97	B	14 51	14 56			14 51	14 58		
3925 N	15	26	51	E 124.97	A	15 22	15 25			15 04	15 25		
3926 D	16	20	32	W068.45									
3926 N	17	14	05	E 098.16	A	17 06	17 14			16 51	17 13		
3927 D	18	07	46	W095.27									
3927 N	19	01	19	E 071.34	B	18 25	19 24			18 25	19 24		
3928 D	19	55	00	W122.05	B	19 24	20 11			19 24	20 11	19 23	20 08
3928 N	20	48	33	E 044.56	B	20 18	21 12			20 18	21 12		
3929 D	21	42	14	W148.87	B	21 12	21 57			21 12	21 57	21 10	21 52
3929 N	22	35	47	E 017.73									
3930 D	23	29	28	W175.69									
3930 N	00	23	01	W009.08									

\*THIR was not on for these orbits. See Section 1.3.



TABLE 2-2  
SENSOR ON – OFF TIMES  
DATE 26 JANUARY 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY*		BUV, MUSE SCR, SIRS*		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3931 D	01	16	42	E 157.50	B	00 46	01 35			00 46	01 35	00 48	01 30
3931 N	02	10	15	W035.90	B	01 35	02 30			01 35	02 33		
3932 D	03	03	56	E 130.71	B					02 33	02 48		
3932 N	03	57	29	W062.68	B							02 32	02 46
3933 D	04	51	10	E 103.90									
3933 N	05	44	44	W089.50	A	05 04	05 26			05 04	05 26		
3934 D	06	38	24	E 077.07	A	06 28	06 49			06 28	06 49	06 27	06 48
3934 N	07	31	58	W116.31	B	07 16	07 55			07 16	07 55		
3935 D	08	25	38	E 050.26	B	07 55	08 43			07 55	08 43	07 54	08 39
3935 N	09	19	12	W143.14	B	08 43	08 52			08 43	08 57		
3935 N	09	19	12	W143.14	B	09 27	09 42			09 02	09 42		
3936 D	10	12	52	E 023.47	B	09 42	10 31			09 42	10 31	09 41	10 26
3936 N	11	06	26	W169.92	B	10 31	10 44			10 31	10 44		
3936 N	11	06	26	W169.92	B	11 02	11 30			10 50	11 30		
3937 D	12	00	06	W003.34	B	11 30	12 18			11 30	12 18	11 28	12 13
3937 N	12	53	40	E 163.26	B	12 18	12 29			12 18	12 29		
3937 N	12	53	40	E 163.26	B	12 34	13 17			12 34	13 17		
3938 D	13	47	20	W030.15	B	13 17	14 05			13 17	14 05	13 15	14 00
3938 N	14	40	54	E 136.45	B	14 05	14 14			14 05	14 14		
3938 N	14	40	54	E 136.45	B	14 18	14 41			14 18	14 38		
3939 D	15	34	34	W056.98									
3939 N	16	28	08	E 109.62	A	16 05	16 27			16 05	16 27		
3940 D	17	21	49	W083.76									
3940 N	18	15	22	E 082.85	B	17 40	18 38			17 40	18 38		
3941 D	19	09	03	W110.58	B	18 38	19 12			18 38	19 26	18 37	19 22
3941 N	20	02	36	E 056.03	B	19 31	20 26			19 31	20 26		
3942 D	20	56	17	W137.39	B	20 26	21 12			20 26	21 12	20 25	21 06
3942 N	21	49	50	E 029.21	B	21 18	22 13			21 18	22 13		
3943 D	22	43	31	W164.22	B	22 13	22 59			22 13	22 59	22 12	22 56
3943 N	23	37	04	E 002.40									

\*THIR was not on for these orbits. See Section 1.3.

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 27 JANUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY*		BUV, MUSE SCR, SIRS*		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3944 D	00	30	45	E 169.01	B					00 00	00 49	00 02	00 44
3944 N	01	24	18	W024.39	B	01 37	01 47			00 49	01 47		
3945 D	02	17	59	E 142.18	B	01 47	02 01			01 47	02 01		
3945 N	03	11	32	W051.20									
3946 D	04	05	13	E 115.37									
3946 N	04	58	46	W078.03	A	04 27	04 39			04 27	04 39		
3947 D	05	52	27	E 088.54	A	05 41	06 03			05 41	06 03	05 41	06 02
3947 N	06	46	00	W104.84	B	06 31	07 09			06 31	07 09		
3948 D	07	39	41	E 061.77	B	07 09	07 58			07 09	07 58	07 08	07 53
3948 N	08	33	14	W131.63	B	07 58	08 12			07 58	08 12		
3948 N	08	33	14	W131.63	B	08 17	08 56			08 17	08 56		
3949 D	09	26	55	E 034.94	B	08 56	09 45			08 56	09 45	08 55	09 40
3949 N	10	20	29	W158.44	B	09 45	09 58			09 45	09 58		
3949 N	10	20	29	W158.44	B	10 04	10 44			10 04	10 44		
3950 D	11	14	09	E 008.13	B	10 44	11 32			10 44	11 32	10 42	11 27
3950 N	12	07	43	E 174.73	B	11 32	11 45			11 32	11 45		
3950 N	12	07	43	E 174.73	B	12 16	12 31			11 50	12 31		
3951 D	13	01	23	W018.68	B	12 31	13 19			12 31	13 19	12 29	13 15
3951 N	13	54	57	E 147.92	B	13 19	13 54			13 19	13 54		
3952 D	14	48	37	W045.47									
3952 N	15	42	11	E 121.13	A	15 19	15 41			15 19	15 39		
3953 D	16	35	51	W072.28									
3953 N	17	29	25	E 094.32	B	16 55	17 53			16 55	17 53		
3954 D	18	23	05	W099.11	B	17 53	18 40			17 53	18 40	17 51	18 36
3954 N	19	16	39	E 067.50	B					18 46	19 40		
3955 D	20	10	19	W125.92	B	20 08	20 23			19 40	20 26	19 42	20 24
3955 N	21	03	53	E 040.68	B					20 32	21 27		
3956 D	21	57	33	W152.71	B	22 05	22 10			21 27	22 14	21 26	22 11
3956 N	22	51	07	E 013.91									
3957 D	23	44	47	W179.52	B	23 14	00 03			23 14	00 03	23 16	23 58
3957 N	00	38	21	W012.92	B	00 03	00 58			00 03	01 02		

\*THIR was not on for these orbits. See Section 1.3.



TABLE 2-2  
SENSOR ON – OFF TIMES  
DATE 28 JANUARY 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY*		BUV, MUSE SCR, SIRS*		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3958 D	01	32	02	E 153.66	B					01 02	01 16	01 04	01 14
3958 N	02	25	35	W039.73									
3959 D	03	19	16	E 126.84									
3959 N	04	12	49	W066.55	A	03 37	03 58			03 37	03 58		
3960 D	05	06	30	E 100.05	A	05 03	05 25			05 03	05 25	05 06	05 20
3960 N	06	00	03	W093.33									
3961 D	06	53	44	E 073.24	A	06 54	07 12			06 54	07 12	06 57	07 07
3961 N	07	47	17	W120.15	A	07 12	07 17			07 12	07 17		
3961 N	07	47	17	W120.15	B	07 33	08 11			07 33	08 11		
3962 D	08	40	58	E 046.42	B	08 11	08 59			08 11	08 59	08 09	08 54
3962 N	09	34	31	W146.97	B	08 59	09 12			08 59	09 12		
3962 N	09	34	31	W146.97	B	09 17	09 58			09 17	09 58		
3963 D	10	28	12	E 019.61	B	09 58	10 46			09 58	10 46	09 56	10 41
3963 N	11	21	45	W173.79	B	10 46	10 59			10 46	10 59		
3963 N	11	21	45	W173.79	B	11 05	11 45			11 05	11 45		
3964 D	12	15	26	W007.18	B	11 45	12 33			11 45	12 33	11 44	12 29
3964 N	13	08	59	E 159.43	B	12 33	12 43			12 33	12 43		
3964 N	13	08	59	E 159.43	B	12 49	13 32			12 49	13 32		
3965 D	14	02	40	W034.00	B	13 32	14 21			13 32	14 21	13 31	14 16
3965 N	14	56	14	E 132.61	B	14 21	14 28			14 21	14 28		
3965 N	14	56	14	E 132.61	A	14 33	14 55			14 33	14 52		
3966 D	15	49	54	W060.81									
3966 N	16	43	28	E 105.80	A	16 21	16 42			16 21	16 42		
3967 D	17	37	08	W087.63									
3967 N	18	30	42	E 078.97	B	18 40	18 54			17 56	18 54		
3968 D	19	24	22	W114.41	B	18 54	19 37			18 54	19 40	18 53	19 38
3968 N	20	17	56	E 052.20	B					19 47	20 41		
3969 D	21	11	36	W141.23	B	20 52	21 29			20 41	21 27	20 40	21 25
3969 N	22	05	10	E 025.38	B	21 40	22 28			21 36	22 28		
3970 D	22	58	50	W168.05	B	22 28	23 14			22 28	23 14	22 31	23 12
3970 N	23	52	24	W001.44									

\*THIR was not on for these orbits. See Section 1.3.

TABLE 2-2  
SENSOR ON – OFF TIMES  
DATE 29 JANUARY 1971

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY*		BUV, MUSE SCR, SIRS*		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3971 D	00	46	04	E 165.13	B	00 16	01 04			00 16	01 04	00 18	01 03
3971 N	01	39	38	W028.25	B	01 04	02 01			01 04	02 03		
3972 D	02	33	18	E 138.35	B					02 03	02 18	02 05	02 15
3972 N	03	26	52	W055.04									
3973 D	04	20	32	E 111.53	A	04 34	04 39			04 34	04 39		
3973 N	05	14	06	W081.85	A	04 39	04 53			04 39	04 53		
3974 D	06	07	46	E 084.72	A	06 06	06 28			06 06	06 28	06 07	06 25
3974 N	07	01	20	W108.68	B	06 46	07 25			06 46	07 25		
3975 D	07	55	00	E 057.89	B	07 25	08 13			07 25	08 13	07 27	08 08
3975 N	08	48	34	W135.49	B	08 13	08 25			08 13	08 25		
3975 N	08	48	34	W135.49	B	08 46	09 12			08 31	09 12		
3976 D	09	42	15	E 031.12	B	09 12	10 00			09 12	10 00	09 14	09 59
3976 N	10	35	48	W162.28	B	10 00	10 11			10 00	10 13		
3976 N	10	35	48	W162.28	B	10 27	10 59			10 19	10 59		
3977 D	11	29	29	E 004.29	B	10 59	11 48			10 59	11 48	11 01	11 46
3977 N	12	23	02	E 170.91	B	11 48	11 57			11 48	11 57		
3977 N	12	23	02	E 170.91	B	12 04	12 44			12 04	12 46		
3978 D	13	16	43	W022.52	B					12 46	13 35	12 48	13 34
3978 N	14	10	16	E 144.08	A	13 50	14 09			13 35	13 43		
3979 D	15	03	57	W049.33									
3979 N	15	57	30	E 117.27	A	15 40	15 57			15 40	15 57		
3980 D	16	51	11	W076.12									
3980 N	17	44	45	E 090.48	A	17 21	17 43			17 21	17 43		
3981 D	18	38	25	W102.93									
3981 N	19	31	59	E 063.67	B	19 01	19 55			19 01	19 55		
3982 D	20	25	39	W129.76	B	19 55	20 43			19 55	20 43	19 57	20 43
3982 N	21	19	13	E 036.85	B	20 50	21 43			20 50	21 43		
3983 D	22	12	53	W156.57	B	21 43	22 30			21 43	22 30	21 45	22 30
3983 N	23	06	27	E 010.03									

\*THIR was not on for these orbits. See Section 1.3.



**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 30 JANUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3984 D	00	00	07	E 176.64									
3984 N	00	53	41	W016.74									
3985 D	01	47	21	E 149.83	B	01 58	02 06			01 17	02 06	01 17	01 40
3985 D	01	47	21	E 149.83	B							01 43	02 04
3985 N	02	40	55	W043.57	B	02 06	03 02	02 06	03 03	02 06	03 04		
3986 D	03	34	35	E 123.00	B					03 04	03 16	03 06	03 17
3986 N	04	28	09	W070.38	A	03 50	04 12	03 53	04 11	03 53	04 12		
3987 D	05	21	49	E 096.19	A	05 15	05 36			05 16	05 37	05 18	05 35
3987 N	06	15	23	W097.20	B	06 07	06 39	06 07	06 37	06 07	06 39		
3988 D	07	09	03	E 069.40	B	06 39	07 27			06 39	07 27	06 41	07 26
3988 N	08	02	37	W123.98	B	07 27	07 40	07 27	07 39	07 27	07 39		
3988 N	08	02	37	W123.98	B	07 46	08 26	07 46	08 23	07 46	08 26		
3989 D	08	56	17	E 042.59	B	08 26	09 14			08 26	09 14	08 28	09 13
3989 N	09	49	51	W150.80	B	09 14	09 25	09 14	09 22	09 14	09 24		
3989 N	09	49	51	W150.80	B	09 31	10 13	09 31	10 11	09 31	10 13		
3990 D	10	43	31	E 015.76	B	10 13	11 02			10 13	11 02	10 15	11 00
3990 N	11	37	05	W177.62	B	11 02	11 14	11 02	11 13	11 02	11 12		
3990 N	11	37	05	W177.62	B	11 20	12 00	11 21	11 58	11 21	12 00		
3991 D	12	30	45	W011.05	B	12 00	12 49			12 00	12 49	12 02	12 48
3991 N	13	24	19	E 155.56	B	12 49	12 59	12 49	12 57	12 49	12 57		
3991 N	13	24	19	E 155.56	B	13 05	13 48	13 05	13 44	13 05	13 48		
3992 D	14	17	59	W037.82	B	13 48	14 36			13 48	14 36	13 50	14 35
3992 N	15	11	33	E 128.78	B	14 36	14 42			14 36	14 41		
3992 N	15	11	33	E 128.78	A	14 48	15 11	14 48	15 09	14 49	15 09		
3993 D	16	05	13	W064.65									
3993 N	16	58	47	E 101.96	A	16 35	16 58	16 36	16 57	16 36	16 58		
3994 D	17	52	27	W091.46									
3994 N	18	46	01	E 075.15	B	18 10	19 09	18 11	19 07	18 11	19 09		
3995 D	19	39	42	W118.29	B	19 09	19 55			19 09	19 51	19 12	19 53
3995 N	20	33	15	E 048.32	B	20 00	20 57	20 00	20 55	20 00	20 57		
3996 D	21	26	56	W145.06	B	20 57	21 44			20 57	21 44	20 59	21 44
3996 N	22	20	30	E 021.55	B	21 49	22 44						
3997 D	23	14	10	W171.89	B	22 44	23 31						
3997 N	00	07	44	W005.28									

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 31 JANUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
3998 D	01	01	23	E 161.30	B	00 52	01 20			00 31	01 20	00 34	01 18
3998 N	01	54	57	W032.09	B	01 20	02 18	01 20	02 16	01 20	02 18		
3999 D	02	48	37	E 134.51	B	02 18	02 32			02 18	02 31	02 21	02 31
3999 N	03	42	11	W058.90									
4000 D	04	35	51	E 107.70	A	04 48	04 54			04 49	04 54		
4000 N	05	29	25	W085.69	A	04 54	05 11	04 54	05 10	04 54	05 10		
4001 D	06	23	05	E 080.89	A	06 18	06 41			06 19	06 40	06 19	06 40
4001 N	07	16	39	W112.50	B	07 01	07 40	07 01	07 38	07 01	07 40		
4002 D	08	10	20	E 054.06	B	07 40	08 29			07 40	08 29	07 42	08 27
4002 N	09	03	54	W139.33	B	08 29	08 40	08 29	08 39	08 29	08 39		
4002 N	09	03	54	W139.33	B	08 45	09 27	08 46	09 26	08 46	09 27		
4003 D	09	57	34	E 027.29	B	09 27	10 16			09 27	10 16	09 29	10 14
4003 N	10	51	08	W166.14	B	10 16	10 28	10 16	10 27	10 16	10 27		
4003 N	10	51	08	W166.14	B	10 33	11 15	10 34	11 12	10 34	11 15		
4004 D	11	44	48	E 000.46	B	11 15	12 03			11 15	12 03	11 17	12 02
4004 N	12	38	22	E 167.07	B	12 03	12 13	12 03	12 11	12 03	12 12		
4004 N	12	38	22	E 167.07	B	12 18	13 02	12 18	13 00	12 18	13 02		
4005 D	13	32	02	W026.35	B	13 02	13 50			13 02	13 50	13 04	13 49
4005 N	14	25	36	E 140.26	B	13 50	13 57			13 50	13 56		
4005 N	14	25	36	E 140.26	A	14 02	14 25	14 03	14 25	14 03	14 24		
4006 D	15	19	16	W053.17									
4006 N	16	12	50	E 113.43	A	15 49	16 12	15 50	16 10	15 50	16 11		
4007 D	17	06	30	W079.95									
4007 N	18	00	04	E 086.62	A	17 36	17 59	17 37	17 57	17 37	17 58		
4008 D	18	53	44	W106.77									
4008 N	19	47	18	E 059.83	B	19 10	20 11	19 12	20 09	19 12	20 11		
4009 D	20	40	58	W133.59	B	20 11	20 56			20 11	20 55	20 13	20 55
4009 N	21	34	32	E 033.02	B	21 02	21 58	21 02	21 56	21 02	21 58		
4010 D	22	28	12	W160.41	B	21 58	22 46			21 58	22 45	22 00	22 45
4010 N	23	21	46	E 006.21									



**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 1 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4011 D	00	15	26	E 172.81	B	23 45	00 34			23 45	00 34	23 47	00 32
4011 N	01	09	00	W020.68	B	00 34	01 30	00 34	01 29	00 34	01 32		
4012 D	02	02	40	E 145.99	B					01 32	01 46	01 35	01 45
4012 N	02	56	14	W047.39									
4013 D	03	49	54	E 119.18									
4013 N	04	43	28	W074.22	A	04 05	04 28	04 08	04 25	04 08	04 26		
4014 D	05	37	08	E 092.35	A	05 33	05 54			05 24	05 45	05 33	05 54
4014 N	06	30	42	W101.03	B	06 17	06 54	06 16	06 52	06 16	06 54		
4015 D	07	24	22	E 065.57	B	06 54	07 43			06 54	07 43	06 56	07 41
4015 N	08	17	56	W127.85	B	07 43	07 56	07 43	07 54	07 43	07 55		
4015 N	08	17	56	W127.85	B	08 01	08 41	08 01	08 39	08 01	08 41		
4016 D	09	11	36	E 038.76	B	08 41	09 30			08 41	09 30	08 44	09 29
4016 N	10	05	10	W154.63	B	09 30	09 39	09 30	09 38	09 30	09 39		
4016 N	10	05	10	W154.63	B			09 45	10 26	09 45	10 29		
4017 D	10	58	50	E 011.94	B					10 29	11 17	10 31	11 16
4017 N	11	52	25	E 178.55	B	11 21	11 26	11 17	11 25	11 17	11 27		
4017 N	11	52	25	E 178.55	B	11 33	12 16	11 33	12 13	11 33	12 16		
4018 D	12	46	04	W014.87	B	12 16	13 04			12 16	13 04	12 18	13 03
4018 N	13	39	39	E 151.73	B	13 04	13 10	13 04	13 11	13 04	13 12		
4018 N	13	39	39	E 151.73	B	13 18	14 03	13 18	14 00	13 18	14 03		
4019 D	14	33	19	W041.66	B	14 03	14 52			14 03	14 52	14 05	14 50
4019 N	15	26	53	E 124.91	A	14 52	15 26	15 04	15 24	15 04	15 25		
4020 D	16	20	33	W068.48									
4020 N	17	14	07	E 098.13	A	16 51	17 13	16 51	17 11	16 51	17 11		
4021 D	18	07	47	W095.30									
4021 N	19	01	21	E 071.31	B	18 25	19 25	18 26	19 24	18 26	19 25		
4022 D	19	55	01	W122.11	B	19 25	20 10			19 25	20 09	19 27	20 09
4022 N	20	48	35	E 044.50	B	20 16	21 12	20 15	21 10	20 16	21 12		
4023 D	21	42	15	W148.90	B	21 12	22 00			21 12	21 59	21 14	21 59
4023 N	22	35	49	E 017.67									
4024 D	23	29	29	W175.71									
4024 N	00	23	03	W009.10									

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 2 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HRRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4025 D	01	16	43	E 157.46	B	00 46	01 35			00 47	01 35	00 49	01 34
4025 N	02	10	17	W035.92	B	01 35	02 32	01 35	02 05	01 35	02 06		
4026 D	03	03	57	E 130.65									
4026 N	03	57	31	W062.74									
4027 D	04	51	11	E 103.86									
4027 N	05	44	45	W089.55	A	05 16	05 26	05 13	05 24	05 13	05 23		
4028 D	06	38	25	E 077.05	A	06 34	06 38			06 33	06 44	06 35	06 45
4028 N	07	31	59	W116.34	B	07 20	07 56	07 17	07 53	07 17	07 56		
4029 D	08	25	39	E 050.34	B	07 56	08 44			07 56	08 44	07 58	08 43
4029 N	09	19	13	W143.15	B	08 44	08 50	08 44	08 53	08 44	08 55		
4029 N	09	19	13	W143.15	B			09 01	09 41	09 01	09 43		
4030 D	10	12	53	E 023.41	B	10 20	10 31			09 43	10 31	09 45	10 30
4030 N	11	06	27	W169.98	B	10 31	10 38	10 31	10 41	10 31	10 42		
4030 N	11	06	27	W169.98	B	10 48	11 30	10 48	11 28	10 48	11 30		
4031 D	12	00	07	W003.36	B	11 30	12 18			11 30	12 18	11 32	12 17
4031 N	12	53	41	E 163.21	B	12 18	12 28	12 19	12 25	12 18	12 26		
4031 N	12	53	41	E 163.21	B	12 33	13 17	12 33	13 14	12 33	13 17		
4032 D	13	47	21	W030.19	B	13 17	14 06			13 17	14 06	13 19	14 04
4032 N	14	40	56	E 136.42	B	14 06	14 13			14 06	14 12		
4032 N	14	40	56	E 136.42	A	14 27	14 41	14 27	14 38				
4033 D	15	34	35	W057.00									
4033 N	16	28	10	E 109.61	A	16 13	16 28	16 13	16 26				
4034 D	17	21	49	W083.83									
4034 N	18	15	24	E 082.78	B	17 40	18 39	17 40	18 36	17 40	18 39		
4035 D	19	09	03	W110.60	B	18 39	19 24			18 39	19 23	18 41	19 23
4035 N	20	02	38	E 055.97	B	19 29	20 26	19 29	20 24	19 29	20 26		
4036 D	20	56	18	W137.43	B	20 26	21 10			20 26	21 09	20 28	21 10
4036 N	21	49	52	E 029.18	B	21 16	22 13	21 16	22 08	21 16	22 13		
4037 D	22	43	32	W164.24	B	22 13	23 00			22 13	22 59	22 16	23 01
4037 N	23	37	06	E 002.37									

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 3 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4038 D	00	30	46	E 168.94	B	00 37	00 49			00 01	00 49	00 03	00 48
4038 N	01	24	20	W024.45	B	00 49	01 48	00 49	01 46	00 49	01 48		
4039 D	02	18	00	E 142.16	B	01 48	02 02			01 48	02 01	01 50	02 00
4039 N	03	11	34	W051.27									
4040 D	04	05	14	E 115.34									
4040 N	04	58	48	W078.04	A	04 30	04 38	04 30	04 41	04 30	04 42		
4041 D	05	52	28	E 088.52	A	05 48	06 01			05 48	06 01	05 49	05 59
4041 N	06	46	02	W104.87	B	06 33	07 10	06 33	07 07	06 33	07 10		
4042 D	07	39	42	E 061.70	B	07 10	07 58			07 10	07 58	07 12	07 57
4042 N	08	33	16	W131.68	B	07 58	08 10	07 58	08 09	07 58	08 09		
4042 N	08	33	16	W131.68	B	08 20	08 57	08 17	08 56	08 17	08 57		
4043 D	09	26	56	E 034.92	B	08 57	09 45			08 57	09 45	08 59	09 44
4043 N	10	20	30	W158.50	B	09 45	09 58	09 45	09 56	09 45	09 57		
4043 N	10	20	30	W158.50	B	10 04	10 44	10 04	10 42	10 04	10 44		
4044 D	11	14	10	E 008.11	B	10 44	11 33			10 44	11 33	10 46	11 31
4044 N	12	07	44	E 174.72	B	11 33	11 43	11 33	11 42	11 33	11 43		
4044 N	12	07	44	E 174.72	B	11 50	12 31	11 50	12 29	11 50	12 31		
4045 D	13	01	24	W018.71	B	12 31	13 20			12 31	13 11	12 33	13 18
4045 N	13	54	58	E 147.90	B	13 20	13 28	13 20	13 26				
4045 N	13	54	58	E 147.90	A	13 41	13 54	13 41	13 53	13 41	13 53		
4046 D	14	48	38	W045.53									
4046 N	15	42	12	E 121.08	A	15 28	15 41	15 27	15 38	15 28	15 41		
4047 D	16	35	52	W072.32									
4047 N	17	29	27	E 094.26	A	17 14	17 28	17 15	17 26	17 15	17 27		
4048 D	18	23	06	W099.13									
4048 N	19	16	41	E 067.48	B	18 41	19 40	18 42	19 38	18 42	19 40		
4049 D	20	10	20	W125.95	B	19 40	20 25			19 40	20 23	19 43	20 24
4049 N	21	03	55	E 040.66	B	20 30	21 28	20 30	21 25	20 30	21 28		
4050 D	21	57	34	W152.76	B	21 28	22 14			21 28	22 13	21 30	22 11
4050 N	22	51	09	E 013.85									
4051 D	23	44	48	W179.55	B	23 15	00 03			23 15	00 03	23 17	00 02
4051 N	00	38	23	W012.98	B	00 03	01 00	00 03	00 57	00 03	01 02		



**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 4 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC	DEG		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4052 D	01	32	02	E 153.63	B					01 02	01 16	01 04	01 15
4052 N	02	25	37	W039.75									
4053 D	03	19	16	E 126.81									
4053 N	04	12	51	W066.58	A	03 47	04 00	03 47	03 58	03 47	03 59		
4054 D	05	06	31	E 100.00	A	04 57	05 03			04 52	05 03	04 53	05 03
4054 N	06	00	05	W093.39									
4055 D	06	53	45	E 073.21	A	06 40	06 53			06 34	06 46	06 40	06 54
4055 N	07	47	19	W120.20	B	07 33	08 11	07 33	08 10	07 33	08 11		
4056 D	08	40	59	E 046.40	B	08 11	09 00			08 11	09 00	08 13	08 58
4056 N	09	34	33	W146.99	B	09 00	09 11	09 00	09 08	09 00	09 09		
4056 N	09	34	33	W146.99	B	09 16	09 58	09 16	09 56	09 16	09 58		
4057 D	10	28	13	E 019.58	B	09 58	10 47			09 58	10 47	10 00	10 45
4057 N	11	21	47	W173.80	B	10 47	10 58	10 47	10 58	10 47	10 57		
4057 N	11	21	47	W173.80	B	11 09	11 45	11 04	11 44	11 04	11 45		
4058 D	12	15	27	W007.24	B	11 45	12 34			11 45	12 34	11 48	12 33
4058 N	13	09	01	E 159.37	B	12 34	12 42	12 34	12 42	12 34	12 42		
4058 N	13	09	01	E 159.37	B	12 49	13 33	12 49	13 30	12 49	13 33		
4059 D	14	02	41	W034.02	B	13 33	14 21			13 33	14 21	13 35	14 20
4059 N	14	56	15	E 132.56	A	14 21	14 55	14 41	14 53	14 41	14 54		
4060 D	15	49	55	W060.84									
4060 N	16	43	29	E 105.77	A	16 29	16 42	16 29	16 41	16 29	16 41		
4061 D	17	37	09	W087.65									
4061 N	18	30	43	E 078.96	B			17 57	18 51	17 57	18 54		
4062 D	19	24	23	W114.48	B	19 15	19 32			18 54	19 38	18 57	19 38
4062 N	20	17	57	E 052.13	B	19 44	20 42	19 44	20 38	19 44	20 42		
4063 D	21	11	37	W141.25	B	20 42	21 26			20 42	21 25	20 44	21 25
4063 N	22	05	12	E 025.32	B	21 36	22 29	21 31	22 26	21 31	22 29		
4064 D	22	58	51	W168.08	B	22 29	23 14			22 29	23 12	22 31	23 13
4064 N	23	52	26	W001.47									

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 5 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4065 D	00	46	05	E 165.11	B	00 16	01 05			00 16	01 05	00 18	01 03
4065 N	01	39	40	W028.28	B	01 05	02 01	01 05	02 02	01 05	02 03		
4066 D	02	33	19	E 138.28	B					02 03	02 17	02 06	02 16
4066 N	03	26	54	W055.10									
4067 D	04	20	33	E 111.51									
4067 N	05	14	08	W081.92	A	04 44	04 57	04 44	04 56	04 44	04 57		
4068 D	06	07	47	E 084.68	A	06 06	06 20			06 06	06 12	06 08	06 18
4068 N	07	01	22	W108.71	B	06 46	07 25	06 46	07 24	06 46	07 25		
4069 D	07	55	01	E 057.87	B	07 25	08 14			07 25	08 14	07 27	08 12
4069 N	08	48	36	W135.52	B	08 14	08 26	08 14	08 24	08 14	08 24		
4069 N	08	48	36	W135.52	B	08 32	09 12	08 32	09 10	08 32	09 12		
4070 D	09	42	15	E 031.06	B	09 12	10 01			09 12	10 01	09 15	10 00
4070 N	10	35	50	W162.33	B	10 01	10 12	10 01	10 11	10 01	10 12		
4070 N	10	35	50	W162.33	B	10 18	11 00	10 18	10 59	10 18	11 00		
4071 D	11	29	29	E 004.27	B	11 00	11 48			11 00	11 48	11 02	11 47
4071 N	12	23	04	E 170.85	B	11 48	11 58	11 48	11 55	11 48	11 56		
4071 N	12	23	04	E 170.85	B	12 04	12 47	12 04	12 46	12 04	12 47		
4072 D	13	16	43	W022.54	B	12 47	13 35			12 47	13 35	12 49	13 34
4072 N	14	10	18	E 144.07	B	13 35	13 43	13 35	13 40	13 35	13 43		
4072 N	14	10	18	E 144.07	B	13 50	14 34	13 50	14 33	13 50	14 34		
4073 D	15	03	58	W049.37	B	14 34	15 26			14 34	15 23	14 36	15 21
4073 N	15	57	32	E 117.25	A	15 44	15 57	15 43	15 53	15 44	15 56		
4074 D	16	51	12	W076.18									
4074 N	17	44	46	E 090.43	B	17 10	18 09	17 11	18 08	17 11	18 09		
4075 D	18	38	26	W102.97	B	18 09	18 54			18 09	18 54	18 11	18 52
4075 N	19	32	00	E 063.61	B	18 59	19 56	19 00	19 55	19 00	19 56		
4076 D	20	25	40	W129.78	B	19 56	20 40			19 56	20 39	19 58	20 40
4076 N	21	19	14	E 036.83	B	20 45	21 43	20 45	21 41	21 12	21 43		
4077 D	22	12	54	W156.61	B	21 43	22 28			21 43	22 28	21 45	22 27
4077 N	23	06	28	E 010.01									

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 6 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4078 D	00	00	08	E 176.58	B	23 51	00 19			23 30	00 19	23 32	00 18
4078 N	00	53	42	W016.80	B	00 19	01 18	00 19	01 15	00 19	01 18		
4079 D	01	47	22	E 149.79	B	01 18	01 32			01 18	01 31	01 20	01 30
4079 N	02	40	56	W043.63									
4080 D	03	34	36	E 122.98									
4080 N	04	28	11	W070.41	A	04 00	04 14	04 01	04 12	04 00	04 13		
4081 D	05	21	50	E 096.16	A	05 17	05 31			05 18	05 31	05 18	05 29
4081 N	06	15	25	W097.23	B	06 05	06 39	06 06	06 37	06 06	06 39		
4082 D	07	09	04	E 069.34	B	06 39	07 28			06 39	07 28	06 41	07 27
4082 N	08	02	39	W124.04	B	07 28	07 40	07 28	07 39	07 28	07 39		
4082 N	08	02	39	W124.04	B	07 45	08 27	07 45	08 24	07 45	08 27		
4083 D	08	56	18	E 042.57	B	08 27	09 15			08 27	09 15	08 29	09 14
4083 N	09	49	53	W150.85	B	09 15	09 27	09 15	09 24	09 15	09 27		
4083 N	09	49	53	W150.85	B	09 34	10 14	09 34	10 10	09 34	10 14		
4084 D	10	43	32	E 015.74	B	10 14	11 02			10 14	11 02	10 16	11 01
4084 N	11	37	07	W177.64	B	11 02	11 10	11 02	11 10	11 02	11 10		
4084 N	11	37	07	W177.64	B	11 18	12 01	11 19	12 00	11 19	12 01		
4085 D	12	30	46	W011.07	B	12 01	12 49			12 01	12 49	12 03	12 48
4085 N	13	24	21	E 155.54	B	12 49	12 59	12 49	12 58	12 49	12 57		
4085 N	13	24	21	E 155.54	B	13 04	13 48	13 05	13 45	13 05	13 48		
4086 D	14	18	00	W037.89	B	13 48	14 32			13 48	14 37	13 50	14 35
4086 N	15	11	35	E 128.72	B					14 37	14 42		
4086 N	15	11	35	E 128.72	A	14 57	15 11	14 58	15 10	14 58	15 11		
4087 D	16	05	14	W064.67									
4087 N	16	58	49	E 101.91	A	16 44	16 58	16 45	16 57	16 45	16 57		
4088 D	17	52	28	W091.50									
4088 N	18	46	03	E 075.12	B	18 10	19 10	18 11	19 07	18 11	19 10		
4089 D	19	39	42	W118.31	B	19 10	19 59			19 10	19 58	19 12	19 54
4089 N	20	33	17	E 048.31	B	20 05	20 57	20 05	20 55	20 05	20 57		
4090 D	21	26	56	W145.13	B	20 57	21 42			20 57	21 42	20 59	21 41
4090 N	22	20	31	E 021.48	B	21 51	22 44	21 51	22 41	21 51	22 44		
4091 D	23	14	10	W171.91	B	22 44	23 30			22 44	23 30	22 47	23 28
4091 N	00	07	45	W005.33									



**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 7 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IOCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4092 D	01	01	25	E 161.27	B	00 52	01 20			00 33	01 20	00 34	01 19
4092 N	01	54	59	W032.12	B	01 20	02 19	01 20	02 17	01 20	02 19		
4093 D	02	48	39	E 134.45	B	02 19	02 35			02 19	02 34	02 21	02 32
4093 N	03	42	13	W058.93									
4094 D	04	35	53	E 107.63									
4094 N	05	29	27	W085.76	A	04 58	05 11	04 58	05 11	04 58	05 11		
4095 D	06	23	07	E 080.85	A	06 18	06 32			06 19	06 32	06 20	06 30
4095 N	07	16	41	W112.57	B	07 02	07 41	07 02	07 38	07 02	07 41		
4096 D	08	10	21	E 054.04	B	07 41	08 29			07 41	08 29	07 43	08 28
4096 N	09	03	55	W139.36	B	08 29	08 40	08 29	08 41	08 29	08 40		
4096 N	09	03	55	W139.36	B	08 46	09 28	08 47	09 26	08 47	09 28		
4097 D	09	57	35	E 027.22	B	09 28	10 16			09 28	10 16	09 30	10 15
4097 N	10	51	10	W166.17	B	10 16	10 30	10 16	10 28	10 16	10 29		
4097 N	10	51	10	W166.17	B	10 36	11 15	10 36	11 13	10 36	11 15		
4098 D	11	44	49	E 000.40	B	11 15	12 04			11 15	12 04	11 17	12 02
4098 N	12	38	24	E 167.02	B	12 04	12 13	12 04	12 12	12 04	12 12		
4098 N	12	38	24	E 167.02	B	12 18	13 02	12 19	13 01	12 19	13 02		
4099 D	13	32	03	W026.38	B	13 02	13 37			13 02	13 51	13 04	13 49
4099 N	14	25	38	E 140.19	B			13 51	13 59	13 51	13 58		
4099 N	14	25	38	E 140.19	A	14 11	14 25	14 12	14 23	14 12	14 25		
4100 D	15	19	17	W053.20									
4100 N	16	12	52	E 113.42	A	15 59	16 13	15 58	16 10	15 59	16 12		
4101 D	17	06	31	W080.02									
4101 N	18	00	06	E 086.59	B	17 51	18 24	17 27	18 21	17 27	18 24		
4102 D	18	53	45	W106.83	B	18 24	19 10			18 24	19 08	18 26	19 08
4102 N	19	47	20	E 059.78	B	19 16	20 11						
4103 D	20	40	59	W133.62	B	20 11	20 57						
4103 N	21	34	34	E 032.96	B	21 03	21 59	21 03	21 56	21 03	21 59		
4104 D	22	28	13	W160.43	B	21 59	22 44			21 59	22 43	22 01	22 42
4104 N	23	21	48	E 006.18									

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 8 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4105 D	00	15	27	E 172.74	B	23 47	00 34			23 47	00 34	23 48	00 33
4105 N	01	09	02	W020.64	B	00 34	01 30	00 34	01 30	00 34	01 33		
4106 D	02	02	41	E 145.96	B					01 33	01 48	01 35	01 49
4106 N	02	56	16	W047.46									
4107 D	03	49	55	E 119.14									
4107 N	04	43	30	W074.28	A	04 14	04 28	04 16	04 25	04 15	04 26		
4108 D	05	37	09	E 092.33	A	05 28	05 37			05 23	05 35	05 24	05 34
4108 N	06	30	44	W101.06	B	06 16	06 55	06 16	06 52	06 19	06 55		
4109 D	07	24	23	E 065.51	B	06 55	07 43			06 55	07 43	06 57	07 42
4109 N	08	17	58	W127.88	B	07 43	07 55	07 43	07 53	07 43	07 53		
4109 N	08	17	58	W127.88	B	08 01	08 42	08 01	08 39	08 01	08 42		
4110 D	09	11	37	E 038.73	B	08 42	09 31			08 42	09 31	08 44	09 29
4110 N	10	05	12	W154.69	B	09 31	09 41	09 31	09 39	09 31	09 37		
4110 N	10	05	12	W154.69	B	09 47	10 29	09 47	10 27	09 47	10 29		
4111 D	10	58	51	E 011.91	B	10 29	11 18			10 29	11 18	10 31	11 16
4111 N	11	52	26	E 178.49	B	11 18	11 28	11 18	11 26	11 18	11 25		
4111 N	11	52	26	E 178.49	B	11 34	12 16	11 34	12 14	11 34	12 17		
4112 D	12	46	06	W014.91	B	12 16	13 05			12 17	13 05	12 19	13 04
4112 N	13	39	40	E 151.70	B	13 05	13 15	13 05	13 12	13 05	13 14		
4112 N	13	39	40	E 151.70	B			13 22	14 01	13 22	14 04		
4113 D	14	33	20	W041.72	B	14 12	14 51			14 04	14 52	14 06	14 51
4113 N	15	26	54	E 124.89	A	15 13	15 32	15 13	15 29	15 13	15 30		
4114 D	16	20	34	W068.51									
4114 N	17	14	09	E 098.07	A	17 00	17 17	17 00	17 16	17 00	17 17		
4115 D	18	07	48	W095.32									
4115 N	19	01	23	E 071.26	B	18 26	19 25	18 27	19 23	18 27	19 26		
4116 D	19	55	02	W122.15	B	19 25	20 14			19 26	20 12	19 28	20 13
4116 N	20	48	37	E 044.47	B	20 20	21 13	20 20	21 09	20 48	21 13		
4117 D	21	42	16	W148.96	B	21 13	21 57			21 13	21 56	21 15	21 56
4117 N	22	35	51	E 017.65									
4118 D	23	29	30	W175.75	B					23 01	23 48	23 02	23 47
4118 N	00	23	05	W009.17	B			23 48	00 45	23 48	00 47		

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 9 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4119 D	01	16	44	E 157.44	B	00 56	01 01			00 47	01 01	00 49	01 03
4119 N	02	10	19	W035.98									
4120 D	03	03	58	E 130.61									
4120 N	03	57	33	W062.77									
4121 D	04	51	12	E 103.80									
4121 N	05	44	47	W089.58	A	05 18	05 32	05 13	05 29	15 13	05 29		
4122 D	06	38	26	E 077.02	A	06 45	06 52			06 34	06 51	06 35	06 53
4122 N	07	32	01	W116.41	B	07 17	07 56	07 17	07 53	07 17	07 56		
4123 D	08	25	40	E 050.20	B	07 56	08 45			07 56	08 45	07 58	08 43
4123 N	09	19	15	W143.22	B	08 45	08 57	08 45	08 55	08 45	08 55		
4123 N	09	19	15	W143.22	B	09 02	09 43	09 02	09 41	09 02	09 43		
4124 D	10	12	54	E 023.39	B	09 43	10 32			09 43	10 32	09 45	10 31
4124 N	11	06	29	W170.00	B	10 34	10 43	10 32	10 42	10 32	10 41		
4124 N	11	06	29	W170.00	B	10 50	11 31	10 50	11 27	10 50	11 31		
4125 D	12	00	08	W003.44	B	11 31	12 19			11 31	12 19	11 33	12 18
4125 N	12	53	43	E 163.18	B	12 19	13 18	12 19	12 27	12 19	12 28		
4126 D	13	47	22	W030.21	A	13 18	14 06			14 00	14 06		
4126 N	14	40	57	E 136.37	A	14 06	14 15	14 06	14 12	14 06	14 13		
4126 N	14	40	57	E 136.37	A	14 22	14 41	14 22	14 38				
4127 D	15	34	36	W057.04									
4127 N	16	28	11	E 109.54	A	16 21	16 39						
4128 D	17	21	50	W083.85									
4128 N	18	15	25	E 082.77	B	17 41	18 40	17 41	18 36	17 41	18 40		
4129 D	19	09	04	W110.68	B	18 40	19 25			18 40	19 25	18 42	19 23
4129 N	20	02	39	E 055.94	B					19 32	20 27		
4130 D	20	56	18	W137.45	B	21 08	21 11			20 27	21 10	20 29	21 11
4130 N	21	49	53	E 029.13	B	21 17	22 14	21 17	22 11	21 17	22 14		
4131 D	22	43	32	W164.28	B	22 14	22 58			22 14	22 57	22 16	22 58
4131 N	23	37	07	E 002.34									



**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 10 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4132 D	00	30	47	E 168.91	B	00 22	00 50			00 11	00 50	00 14	00 49
4132 N	01	24	22	W024.47	B	00 50	01 49	00 50	01 45	00 50	01 49		
4133 D	02	18	01	E 142.09	B	01 49	02 11			01 49	02 11	01 48	02 12
4133 N	03	11	36	W051.30									
4134 D	04	05	15	E 115.31									
4134 N	04	58	50	W078.11	A	04 25	04 44	04 25	04 41	04 25	04 43		
4135 D	05	52	29	E 088.50	A	05 49	06 08			05 49	06 06	05 50	06 07
4135 N	06	46	04	W104.90	B	06 32	07 10	06 32	07 07	06 32	07 10		
4136 D	07	39	43	E 061.67	B	07 10	07 59			07 10	07 59	07 12	07 58
4136 N	08	33	18	W131.71	B	07 59	08 12	07 59	08 10	07 59	08 10		
4136 N	08	33	18	W131.71	B	08 18	08 58	08 18	08 53	08 18	08 58		
4137 D	09	26	57	E 034.86	B	08 58	09 46			08 58	09 46	09 00	09 45
4137 N	10	20	32	W158.52	B	09 46	09 56	09 46	09 55	09 46	09 56		
4137 N	10	20	32	W158.52	B	10 03	10 45	10 03	10 41	10 03	10 45		
4138 D	11	14	11	E 008.07	B	10 45	11 33			10 45	11 33	10 47	11 32
4138 N	12	07	46	E 174.65	B	11 33	11 44	11 33	11 41	11 33	11 43		
4138 N	12	07	46	E 174.65	B	11 49	12 32	11 49	12 29	11 49	12 32		
4139 D	13	01	25	W018.74	B	12 32	13 21			12 32	13 21	12 34	13 19
4139 N	13	55	00	E 147.88	B	13 21	13 29	13 21	13 28	13 21	13 28		
4139 N	13	55	00	E 147.88	A	13 39	13 57	13 39	13 56	13 39	13 56		
4140 D	14	48	39	W045.57									
4140 N	15	42	14	E 121.05	A	15 23	15 41	15 23	15 40	15 23	15 40		
4141 D	16	35	53	W072.38									
4141 N	17	29	28	E 094.24	A	17 16	17 29	17 11	17 27	17 11	17 28		
4142 D	18	23	07	W099.17									
4142 N	19	16	42	E 067.41	B	18 41	19 41	18 42	19 39	18 42	19 41		
4143 D	20	10	21	W125.98	B	19 41	20 27			19 41	20 26	19 43	20 25
4143 N	21	03	56	E 040.64	B	20 33	21 28	20 33	21 25	20 33	21 28		
4144 D	21	57	35	W152.80	B	21 28	22 14			21 28	22 13	21 30	22 12
4144 N	22	51	10	E 013.81									
4145 D	23	44	49	W179.62	B					23 16	00 04	23 18	00 03
4145 N	00	38	24	W013.00	B	00 02	00 10	00 04	00 59	00 04	01 03		

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 11 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4146 D	01	32	03	E 153.59	B					01 03	01 17	01 05	01 15
4146 N	02	25	38	W039.82									
4147 D	03	19	17	E 126.78									
4147 N	04	12	52	W066.60	A	03 42	04 00	03 43	03 59	03 42	03 59		
4148 D	05	06	31	E 099.97	A	05 02	05 22			05 03	05 20	05 04	05 21
4148 N	06	00	06	W093.43									
4149 D	06	53	45	E 073.14	A	06 50	07 09			06 50	07 07	06 51	07 08
4149 N	07	47	20	W120.24	B			07 34	08 08				
4150 D	08	40	59	E 046.37	B	08 50	09 00			08 43	09 00	08 14	08 55
4150 N	09	34	34	W147.06	B	09 00	09 06	09 00	09 08	09 00	09 08		
4150 N	09	34	34	W147.06	B			09 15	09 56	09 16	09 59		
4151 D	10	28	13	E 019.54	B	10 35	10 48			09 59	10 47	10 01	10 46
4151 N	11	21	49	W173.84	B			10 47	10 55	10 47	10 56		
4151 N	11	21	49	W173.84	B	11 02	11 46	11 02	11 43	11 02	11 46		
4152 D	12	15	27	W007.27	B	11 46	12 35			11 46	12 35	11 48	12 33
4152 N	13	09	03	E 159.35	B	12 35	12 43	12 35	12 41				
4152 N	13	09	03	E 159.35	B	12 48	13 33	12 48	13 31	12 48	13 33		
4153 D	14	02	41	W034.09	B	13 33	14 22			13 33	14 22	13 35	14 21
4153 N	14	56	17	E 132.52	B	14 22	14 32	14 22	14 30	14 22	14 31		
4153 N	14	56	17	E 132.52	A	14 58	15 16	14 58	15 14	14 58	15 16		
4154 D	15	49	56	W060.87									
4154 N	16	43	31	E 105.71	A	16 25	16 43	16 25	16 42	16 25	16 42		
4155 D	17	37	10	W087.69									
4155 N	18	30	45	E 078.92	B	17 56	18 55	17 56	18 53	17 56	18 55		
4156 D	19	24	24	W114.51	B	18 55	19 41			18 55	19 40	18 57	19 39
4156 N	20	17	59	E 052.11	B	19 47	20 42	19 47	20 39	19 47	20 42		
4157 D	21	11	38	W141.33	B	20 42	21 30			20 42	21 29	20 41	21 26
4157 N	22	05	13	E 025.29	B	21 35	22 30	21 35	22 26	21 35	22 30		
4158 D	22	58	52	W168.11	B	22 30	23 17			22 30	23 15	22 35	23 10
4158 N	23	52	27	W001.53									



**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 12 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4159 D	00	46	06	E 165.07	B	00 17	01 05			00 17	01 05	00 19	01 01
4159 N	01	39	41	W028.31	B	01 05	02 01	01 05	02 01	01 05	02 04		
4160 D	02	33	20	E 138.25	B					02 04	02 18	02 06	02 17
4160 N	03	26	55	W055.13									
4161 D	04	20	34	E 111.44									
4161 N	05	14	09	W081.95	A	04 38	04 56	04 40	04 55	04 40	04 56		
4162 D	06	07	48	E 084.65	A	06 04	06 22			06 04	06 22	06 05	06 22
4162 N	07	01	23	W108.76	B			06 47	07 24	06 47	07 26		
4163 D	07	55	02	E 057.84	B	07 57	08 14			07 26	08 14	07 25	08 10
4163 N	08	48	37	W135.55	B	08 14	08 25	08 14	08 25	08 14	08 24		
4163 N	08	48	37	W135.55	B	08 30	09 13	08 30	09 10	08 30	09 13		
4164 D	09	42	16	E 031.02	B	09 13	10 02			09 13	10 02	09 15	09 57
4164 N	10	35	51	W162.36	B	10 02	10 13	10 02	10 11	10 02	10 12		
4164 N	10	35	51	W162.36	B	10 17	11 00	10 17	10 58	10 17	11 00		
4165 D	11	29	30	E 004.20	B	11 00	11 49			11 00	11 49	11 02	11 44
4165 N	12	23	05	E 170.82	B	11 49	11 57	11 49	11 55	11 49	11 55		
4165 N	12	23	05	E 170.82	B	12 01	12 48	12 01	12 44	12 01	12 48		
4166 D	13	16	44	W022.58	B	12 48	13 36			12 48	13 36	12 50	13 31
4166 N	14	10	19	E 144.00	B	13 36	13 48	13 36	13 46	13 36	13 47		
4166 N	14	10	19	E 144.00	A	13 53	14 13	13 54	14 11	13 54	14 11		
4167 D	15	03	58	W049.40									
4167 N	15	57	33	E 117.22	A	15 38	15 52	15 39	15 49	15 39	15 51		
4168 D	16	51	12	W076.22									
4168 N	17	44	47	E 090.40	B	17 10	18 09	17 11	18 06	17 11	18 09		
4169 D	18	38	26	W103.00	B	18 09	18 55			18 09	18 54	18 11	18 53
4169 N	19	32	01	E 063.59	B	19 01	19 57	19 01	19 53	19 01	19 57		
4170 D	20	25	40	W129.82	B	19 57	20 42			19 57	20 42	19 55	20 40
4170 N	21	19	16	E 036.76	B	20 47	21 44	20 48	21 41	20 48	21 44		
4171 D	22	12	54	W156.64	B	21 44	22 29			21 44	22 28	21 53	22 28
4171 N	23	06	30	E 009.98									



**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 13 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4172 D	00	00	08	E 176.55	B	23 51	00 20			23 31	00 20	23 33	00 11
4172 N	00	53	44	W016.84	B	00 20	01 18	00 20	01 15	00 20	01 18		
4173 D	01	47	22	E 149.76	B	01 18	01 33			01 18	01 31	01 17	01 31
4173 N	02	40	58	W043.65									
4174 D	03	34	36	E 122.95									
4174 N	04	28	12	W070.48	A	03 54	04 08			03 55	04 06		
4175 D	05	21	51	E 096.13	A	05 17	05 31			05 18	05 30	05 19	05 30
4175 N	06	15	26	W097.25									
4176 D	07	09	05	E 069.31	A	07 00	07 13			07 00	07 12	07 03	07 13
4176 D	07	09	05	E 069.31	B	07 19	07 29			07 19	07 29		
4176 N	08	02	40	W124.07	B	07 29	08 27	07 29	08 24	07 29	08 27		
4177 D	08	56	19	E 042.53	B	08 27	09 16			08 27	09 16	08 26	09 11
4177 N	09	49	54	W150.89	B	09 16	10 14	09 30	10 11	09 31	10 14		
4178 D	10	43	33	E 015.71	B	10 14	11 03			10 14	11 03	10 13	10 58
4178 N	11	37	08	W177.70	B	11 03	11 13	11 03	11 11	11 03	11 11		
4178 N	11	37	08	W177.70	B			11 18	11 59	11 18	12 02		
4179 D	12	30	47	W011.11	B	12 23	12 50			12 02	12 50	12 04	12 45
4179 N	13	24	22	E 155.51	B	12 50	12 57	12 50	12 55	12 50	12 56		
4179 N	13	24	22	E 155.51	B			13 02	13 46	13 02	13 49		
4180 D	14	18	01	W037.92	B	14 21	14 37			13 49	14 37	13 51	14 33
4180 N	15	11	36	E 128.70	B	14 37	14 45	14 37	14 46	14 37	14 46		
4180 N	15	11	36	E 128.70	A	14 53	15 06	14 53	15 05	14 53	15 05		
4181 D	16	05	15	W064.71									
4181 N	16	58	50	E 101.87	A	16 40	16 53	16 40	16 52	16 40	16 52		
4182 D	17	52	29	W091.53									
4182 N	18	46	04	E 075.06	B	18 12	19 55	18 12	19 08	18 12	19 11		
4183 D	19	39	43	W118.35	B					19 11	19 54	19 09	19 54
4183 N	20	33	18	E 048.27	B			20 01	20 54	20 01	20 58		
4184 D	21	26	57	W145.16	B	21 18	21 43			20 58	21 38	21 00	21 42
4184 N	22	20	32	E 021.46	B			21 49	22 42	21 49	22 45		
4185 D	23	14	11	W171.94	B	22 54	23 31			22 45	23 30	22 44	23 25
4185 N	00	07	46	W005.37									

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 14 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4186 D	01	01	25	E 161.24	B	00 52	01 21			00 42	01 21	00 35	01 20
4186 N	01	55	00	W032.18	B	01 21	02 20	01 21	02 13	01 21	02 20		
4187 D	02	48	39	E 134.42	B	02 20	02 34			02 20	02 33	02 19	02 32
4187 N	03	42	14	W058.97									
4188 D	04	35	53	E 107.60									
4188 N	05	29	28	W085.78	A	04 54	05 07	04 55	05 06	04 55	05 07		
4189 D	06	23	07	E 080.82	A	06 18	06 33			06 19	06 31	06 21	06 31
4189 N	07	16	42	W112.59	B	07 00	07 41	07 00	07 39	07 00	07 41		
4190 D	08	10	21	E 054.00	B	07 41	08 30			07 41	08 30	07 40	08 22
4190 N	09	03	56	W139.42	B	08 30	08 40	08 30	08 39	08 30	08 39		
4190 N	09	03	56	W139.42	B	08 45	09 29	08 45	09 26	08 45	09 29		
4191 D	09	57	35	E 027.19	B	09 29	10 17			09 29	10 17	09 27	10 12
4191 N	10	51	11	W166.19	B	10 17	10 28	10 17	10 26	10 17	10 26		
4191 N	10	51	11	W166.19	B	10 33	11 16	10 33	11 13	10 33	11 16		
4192 D	11	44	49	E 000.36	B	11 16	12 04			11 16	12 04	11 14	11 59
4192 N	12	38	25	E 166.98	B	12 04	12 14	12 04	12 13	12 04	12 13		
4192 N	12	38	25	E 166.98	B	12 19	13 03	12 19	13 01	12 19	13 03		
4193 D	13	32	03	W026.42	B	13 03	13 52			13 03	13 52	13 02	13 47
4193 N	14	25	39	E 140.17	B	13 52	13 59	13 52	13 58	13 52	13 58		
4193 N	14	25	39	E 140.17	A	14 12	14 26	14 12	14 23	14 12	14 25		
4194 D	15	19	17	W053.24									
4194 N	16	12	53	E 133.34	A	15 59	16 08	15 59	16 11	15 59	16 11		
4195 D	17	06	31	W080.05									
4195 N	18	00	07	E 086.57	B	17 37	18 25	17 27	18 23	17 27	18 25		
4196 D	18	53	45	W106.88	B	18 25	19 07			18 25	19 08	18 23	19 09
4196 N	19	47	21	E 059.74	B	19 15	20 12	19 15	20 08	19 15	20 12		
4197 D	20	40	59	W133.65	B	20 12	20 57			20 12	20 55	20 11	20 56
4197 N	21	34	35	E 032.93	B	21 02	21 59	21 02	21 56	21 02	21 59		
4198 D	22	28	13	W160.47	B	21 59	22 44			21 59	22 42	22 01	22 43
4198 N	23	21	49	E 006.11									

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 15 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4199 D	00	15	27	E 172.71	B	23 47	00 35			23 47	00 35	23 49	00 27
4199 N	01	09	03	W020.67	B	00 35	01 30	00 35	01 30	00 35	01 34		
4200 D	02	02	42	E 145.87	B					01 34	01 48	01 33	01 46
4200 N	02	56	17	W047.53									
4201 D	03	49	56	E 119.06									
4201 N	04	43	32	W074.34	A	04 14	04 28	04 15	04 27	04 15	04 27		
4202 D	05	37	10	E 092.25	A	05 33	05 44			05 33	05 45	05 35	05 45
4202 N	06	30	46	W101.15	B	06 20	06 55	06 20	06 52	06 20	06 55		
4203 D	07	24	24	E 065.44	B	06 55	07 44			06 55	07 44	06 54	07 39
4203 N	08	18	00	W127.96	B	07 44	07 53	07 44	07 54	07 44	07 54		
4203 N	08	18	00	W127.96	B	08 00	08 43	08 05	08 38	08 05	08 43		
4204 D	09	11	38	E 038.63	B	08 43	09 31			08 43	09 31	08 45	09 26
4204 N	10	05	14	W154.77	B	09 31	09 41	09 31	09 39				
4204 N	10	05	14	W154.77	B	09 46	10 30	09 46	10 26	09 46	10 30		
4205 D	10	58	52	E 011.82	B	10 30	11 18			10 30	11 18	10 32	11 10
4205 N	11	52	28	W178.43	B	11 18	11 30	11 18	11 27	11 18	11 29		
4205 N	11	52	28	W178.43	B	11 35	12 17	11 35	12 13	11 35	12 17		
4206 D	12	46	06	W014.99	B	12 17	13 06			12 17	13 06	12 16	13 01
4206 N	13	39	42	E 151.62	B	13 06	13 13	13 06	13 12	13 06	13 12		
4206 N	13	39	42	E 151.62	B	13 19	14 04	13 19	14 01	13 19	14 04		
4207 D	14	33	20	W041.79	B	14 04	14 53			14 04	14 53	14 03	14 48
4207 N	15	26	56	E 124.81	B	14 53	14 58	14 53	15 01	14 53	15 02		
4207 N	15	26	56	E 124.81	A	15 13	15 26	15 13	15 24	15 13	15 25		
4208 D	16	20	35	W068.60									
4208 N	17	14	10	E 098.00	A	17 00	17 13	17 00	17 12	17 00	17 12		
4209 D	18	07	49	W095.41									
4209 N	19	01	24	E 071.19	B	18 26	19 26	18 27	19 23	18 27	19 26		
4210 D	19	55	03	W122.22	B	19 26	20 09			19 26	20 09	19 25	20 10
4210 N	20	48	38	E 044.38	B	20 15	21 13	20 15	21 10	20 15	21 13		
4211 D	21	42	17	W149.03	B	21 13	22 00			21 13	21 54	21 12	21 57
4211 N	22	35	52	E 017.57									
4212 D	23	29	31	W175.84									
4212 N	00	23	06	W009.24									



**TABLE 2-2**  
**SENSOR ON - OFF TIMES**  
**DATE 16 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC	DEG		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4213 D	01	16	45	E 157.35	B	00 49	01 36			00 49	01 36	00 50	01 28
4213 N	02	10	20	W036.05	B	01 36	02 30	01 36	02 31	01 36	02 35		
4214 D	03	03	59	E 130.54	B					02 35	02 49	02 37	02 48
4214 N	03	57	34	W062.86									
4215 D	04	51	13	E 103.74									
4215 N	05	44	48	W089.66	A	05 14	05 28	05 14	05 26	05 14	05 25		
4216 D	06	38	27	E 076.93	A	06 34	06 46			06 34	06 46	06 36	06 46
4216 N	07	32	02	W116.47	B	07 17	07 57	07 17	07 53	07 17	07 57		
4217 D	08	25	41	E 050.12	B	07 57	08 45			07 57	08 45	07 56	08 41
4217 N	09	19	16	W143.28	B	08 45	08 55	08 45	08 52	08 45	08 54		
4217 N	09	19	16	W143.28	B	09 00	09 44	09 00	09 41	09 00	09 44		
4218 D	10	12	55	E 023.31	B	09 44	10 33			09 44	10 33	09 43	10 28
4218 N	11	06	30	W170.09	B	10 33	10 43	10 33	10 42	10 33	10 41		
4218 N	11	06	30	W170.09	B	10 48	11 31	10 48	11 28	10 48	11 31		
4219 D	12	00	09	W003.50	B	11 31	12 20			11 31	12 20	11 30	12 15
4219 N	12	53	45	E 163.10	B	12 20	13 19	12 31	13 15	12 31	13 19		
4220 D	13	47	23	W030.31	B	13 19	14 07			13 19	14 07	13 17	14 02
4220 N	14	40	59	E 136.29	A	14 07	14 40	14 27	14 38				
4221 D	15	34	37	W057.12									
4221 N	16	28	13	E 109.48	A	16 14	16 26	16 13	16 21	16 14	16 26		
4222 D	17	21	51	W083.93									
4222 N	18	15	27	E 082.67	B			17 42	18 36	17 42	18 40		
4223 D	19	09	05	W110.74	B	18 40	19 25			18 40	19 24	18 39	19 24
4223 N	20	02	41	E 055.87	B	19 31	20 28	19 31	20 21	19 31	20 28		
4224 D	20	56	19	W137.55	B	20 28	21 13			20 28	21 12	20 30	21 11
4224 N	21	49	55	E 029.06	B	21 18	22 15	21 18	22 11	21 18	22 15		
4225 D	22	43	33	W164.36	B	22 15	22 59			22 15	22 53	22 14	22 59
4225 N	23	37	09	E 002.25									

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 17 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4226 D	00	30	47	E 168.84	B	00 21	00 51			00 02	00 51	00 04	00 46
4226 N	01	24	23	W024.56	B	00 51	01 49	00 51	01 45	00 51	01 49		
4227 D	02	18	01	E 142.03	B	01 49	02 04			01 49	02 01	01 48	02 02
4227 N	03	11	37	W051.37									
4228 D	04	05	16	E 115.22									
4228 N	04	58	51	W078.18	A	04 30	04 44	04 30	04 40	04 29	04 40		
4229 D	05	52	30	E 088.41	A	05 48	06 01			05 48	06 00	05 50	06 01
4229 N	06	46	05	W104.99	B	06 32	07 11	06 32	07 07	06 32	07 11		
4230 D	07	39	44	E 061.60	B	07 11	07 56			07 11	08 00	07 10	07 51
4230 N	08	33	19	W131.80	B			08 00	08 09	08 00	08 08		
4230 N	08	33	19	W131.80	B			08 15	08 56	08 15	08 58		
4231 D	09	26	58	E 034.79	B	09 35	09 47			08 58	09 47	08 57	09 42
4231 N	10	20	33	W158.61	B	09 47	09 52	09 47	09 55	09 47	09 54		
4231 N	10	20	33	W158.61	B	10 01	10 45	10 01	10 40	10 01	10 45		
4232 D	11	14	12	E 007.98	B	10 45	11 30			10 45	11 34	10 44	11 29
4232 N	12	07	47	E 174.58	B	11 47	12 33	11 34	11 41	11 34	11 41		
4232 N	12	07	47	E 174.58	B			11 47	12 30	11 47	12 33		
4233 D	13	01	26	W018.83	B	12 33	13 21			12 33	13 21	12 31	13 16
4233 N	13	55	01	E 147.78	B	13 21	13 29	13 21	13 28	13 21	13 27		
4233 N	13	55	01	E 147.78	A	13 41	13 54	13 41	13 54	13 41	13 53		
4234 D	14	48	40	W045.63									
4234 N	15	42	15	E 120.97	A	15 28	15 41	15 28	15 39	15 26	15 38		
4235 D	16	35	54	W072.44									
4235 N	17	29	29	E 094.16	A	17 14	17 29	17 15	17 27	17 15	17 27		
4236 D	18	23	08	W099.25									
4236 N	19	16	43	E 067.35	B	18 42	19 42	18 43	19 39	18 43	19 42		
4237 D	20	10	22	W126.06	B	19 42	20 26			19 42	20 25	19 40	20 22
4237 N	21	03	57	E 040.54	B	20 32	21 29	20 31	21 26	20 32	21 29		
4238 D	21	57	36	W152.87	B	21 29	22 14			21 29	22 13	21 28	22 13
4238 N	22	51	12	E 013.73									
4239 D	23	44	50	W179.68	B	23 16	00 05			23 20	00 05	23 18	00 00
4239 N	00	38	26	W013.08	B	00 05	01 00	00 05	01 01	00 05	01 03		

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 18 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC	DEG		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4240 D	01	32	04	E 153.51	B								
4240 N	02	25	40	W039.69									
4241 D	03	19	18	E 126.70									
4241 N	04	12	54	W066.70	A	03 46	04 01			03 47	03 59		
4242 D	05	06	32	E 099.89	A	05 08	05 21			05 08	05 20	05 08	05 22
4242 N	06	00	08	W093.51									
4243 D	06	53	46	E 073.08	A	06 55	07 09			06 55	07 07	06 55	07 09
4243 N	07	47	22	W120.31	B	07 31	08 12	07 31	08 10	07 31	08 12		
4244 D	08	41	00	E 046.28	B	08 12	09 01			08 12	09 01	08 11	08 56
4244 N	09	34	36	W147.12	B	09 01	09 12	09 01	09 11	09 01	09 11		
4244 N	09	34	36	W147.12	B	09 18	10 00	09 18	09 56	09 18	10 00		
4245 D	10	28	14	E 019.47	B	10 00	10 48			10 00	10 48	09 58	10 43
4245 N	11	21	50	W173.93	B	10 48	10 58	10 48	10 58	10 48	10 58		
4245 N	11	21	50	W173.93	B	11 05	11 47	11 05	11 44	11 05	11 47		
4246 D	12	15	22	W007.34	B	11 47	12 35			11 47	12 35	11 45	12 31
4246 N	13	09	04	E 159.26	B	12 35	12 43	12 35	12 44	12 35	12 44		
4246 N	13	09	04	E 159.26	B	12 50	13 34	12 50	13 30	12 50	13 34		
4247 D	14	02	42	W034.15	B	13 34	14 23			13 34	14 23	13 33	14 18
4247 N	14	56	18	E 132.45	B	14 23	15 21	14 34	15 18				
4248 D	15	49	56	W060.96	B	15 21	16 10					15 20	16 05
4248 N	16	43	32	E 105.64	B	16 10	16 14	16 19	17 05				
4249 D	17	37	11	W087.77	B	17 42	17 56	17 09	17 55			17 07	17 52
4249 N	18	30	46	E 078.83	B	18 02	18 56	18 03	18 53	18 03	18 56		
4250 D	19	24	25	W114.58	B	18 56	19 40			18 56	19 38	18 55	19 40
4250 N	20	18	00	E 052.02	B	19 45	20 43	19 45	20 40	19 45	20 43		
4251 D	21	11	39	W141.39	B	20 43	21 30			20 43	21 29	20 42	21 27
4251 N	22	05	14	E 025.22	B	21 36	22 30	21 40	22 26				
4252 D	22	58	53	W168.19	B	22 30	23 14					22 29	23 14
4252 N	23	52	28	W001.59									



**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 19 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4253 D	00	46	07	E 165.00	B	00 18	01 06			00 18	01 06	00 20	01 01
4253 N	01	39	42	W028.40	B	01 06	02 01	01 06	02 02	01 06	02 05		
4254 D	02	33	21	E 138.19	B					02 05	02 18	02 04	02 17
4254 N	03	26	56	W055.21									
4255 D	04	20	35	E 111.38									
4255 N	05	14	10	W082.02	A	04 43	04 57	04 43	04 56	04 42	04 55		
4256 D	06	07	49	E 084.57	A	06 09	06 22			06 09	06 21	06 09	06 20
4256 N	07	01	24	W108.83	B	06 46	07 27	06 46	07 23	06 45	07 27		
4257 D	07	55	03	E 057.76	B	07 27	08 15			07 27	08 15	07 25	08 10
4257 N	08	48	39	W135.64	B	08 15	08 22	08 15	08 26	08 15	08 25		
4257 N	08	48	39	W135.64	B	08 32	09 14	08 32	09 11	08 32	09 14		
4258 D	09	42	17	E 030.95	B	09 14	09 56			09 14	10 02	09 12	09 58
4258 N	10	35	53	W162.45	B	10 18	11 01	10 02	10 12	10 02	10 12		
4258 N	10	35	53	W162.45	B			10 18	10 58	10 18	11 01		
4259 D	11	29	31	E 004.14	B	11 01	11 50			11 01	11 50	11 00	11 45
4259 N	12	23	07	E 170.74	B	11 50	11 55	11 50	11 58	11 50	11 57		
4259 N	12	23	07	E 170.74	B	12 04	12 48	12 04	12 46	12 04	12 48		
4260 D	13	16	45	W022.67	B	12 48	13 37			12 48	13 37	12 47	13 32
4260 N	14	10	21	E 143.93	A	13 37	14 10	13 56	14 07	13 56	14 08		
4261 D	15	03	59	W049.48									
4261 N	15	57	35	E 117.13	A	15 44	15 58	15 43	15 57	15 44	15 56		
4262 D	16	51	13	W076.29									
4262 N	17	44	49	E 090.32	B	17 13	18 10	17 14	18 07	17 14	18 10		
4263 D	18	38	27	W103.09	B	18 10	18 55			18 10	18 54	18 09	18 54
4263 N	19	32	03	E 063.51	B	19 00	19 57	19 01	19 54	19 01	19 57		
4264 D	20	25	41	W129.90	B	19 57	20 41			19 57	20 40	19 56	20 41
4264 N	21	19	17	E 036.70	B	20 47	21 44	20 47	21 42	20 47	21 44		
4265 D	22	12	55	W156.71	B	21 44	22 27			21 44	22 26	21 43	22 25
4265 N	23	06	31	E 009.89									

**TABLE 2-2**  
**SENSOR ON - OFF TIMES**  
**DATE 20 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4266 D	00	00	09	E 176.48	B	23 50	00 20			23 32	00 20	23 34	00 12
4266 N	00	53	45	W016.92	B	00 20	01 19	00 20	01 15	00 20	01 19		
4267 D	01	47	23	E 149.67	B	01 19	01 34			01 19	01 32	01 18	01 32
4267 N	02	40	59	W043.73									
4268 D	03	34	37	E 122.86									
4268 N	04	28	13	W070.54	A	04 00	04 14	04 01	04 13	04 01	04 13		
4269 D	05	21	52	E 096.05	A	05 22	05 36			05 23	05 35	05 23	05 34
4269 N	06	15	27	W097.34	B	06 05	06 41	06 06	06 36	06 06	06 41		
4270 D	07	09	06	E 069.24	B	06 41	07 29			06 41	07 29	06 39	07 24
4270 N	08	02	41	W124.15	B	07 29	07 40	07 29	07 40	07 29	07 40		
4270 N	08	02	41	W124.15	B	07 45	08 28	07 46	08 25	07 46	08 28		
4271 D	08	56	20	E 042.43	B	08 28	09 16			08 28	09 16	08 27	09 12
4271 N	09	49	55	W150.96	B	09 16	09 25	09 16	09 25	09 16	09 26		
4271 N	09	49	55	W150.96	B	09 32	10 15	09 32	10 13	09 32	10 15		
4272 D	10	43	34	E 015.63	B	10 15	11 04			10 15	11 04	10 14	10 59
4272 N	11	37	09	W177.77	B	11 04	11 15	11 04	11 13	11 04	11 14		
4272 N	11	37	09	W177.77	B	11 20	12 02	11 20	11 59	11 20	12 02		
4273 D	12	30	48	W011.18	B	12 02	12 51			12 02	12 51	12 01	12 46
4273 N	13	24	23	E 155.42	B	12 51	12 59	12 51	12 59	12 51	12 58		
4273 N	13	24	23	E 155.42	B	13 05	13 50	13 05	13 47	13 05	13 50		
4274 D	14	18	02	W037.99	B	13 50	14 38			13 50	14 38	13 48	14 33
4274 N	15	11	37	E 128.61	A	14 38	15 10	14 58	15 11	14 58	15 07		
4275 D	16	05	16	W064.80									
4275 N	16	58	51	E 101.80	A	16 44	16 58	16 45	16 58	16 45	16 57		
4276 D	17	52	30	W091.61									
4276 N	18	46	06	E 074.99	B	18 15	19 11	18 13	19 08	18 13	19 11		
4277 D	19	39	44	W118.42	B	19 11	19 54			19 11	19 52	19 10	19 55
4277 N	20	33	20	E 048.18	B	20 00	20 59	20 01	20 54				
4278 D	21	26	58	W145.23	B	20 59	21 41					20 57	21 32
4278 N	22	20	34	E 021.37	B	21 47	22 46	21 48	22 43	21 47	22 46		
4279 D	23	14	12	W172.04	B	22 46	23 28			22 46	23 28		
4279 N	00	07	48	W005.44									

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 21 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HORSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4280 D	01	01	26	E 161.15	B	00 52	01 22			00 33	01 22	00 35	01 17
4280 N	01	55	02	W032.24	B	01 22	02 20	01 22	02 17	01 22	02 20		
4281 D	02	48	40	E 134.35	B	02 20	02 35			02 20	02 34	02 19	02 33
4281 N	03	42	16	W059.05									
4282 D	04	35	54	E 107.54									
4282 N	05	29	30	W085.86	A	04 58	05 12	04 59	05 12	04 59	05 10		
4283 D	06	23	08	E 080.73	A	06 23	06 36			06 24	06 36	06 25	06 35
4283 N	07	16	44	W112.67	B	07 00	07 42	07 01	07 39	07 01	07 42		
4284 D	08	10	22	E 053.92	B	07 42	08 31			07 42	08 31	07 41	08 26
4284 N	09	03	58	W139.48	B	08 31	08 42	08 31	08 42	08 31	08 41		
4284 N	09	03	58	W139.48	B	08 47	09 29	08 48	09 26	08 48	09 29		
4285 D	09	57	36	E 027.11	B	09 29	10 18			09 29	10 18	09 28	10 13
4285 N	10	51	12	W166.29	B	10 18	10 28	10 18	10 28	10 18	10 27		
4285 N	10	51	12	W166.29	B	10 33	11 17	10 33	11 13	10 34	11 17		
4286 D	11	44	50	E 000.30	B	11 17	12 05			11 17	12 05	11 15	12 00
4286 N	12	38	26	E 166.90	B	12 05	12 13	12 05	12 13	12 05	12 12		
4286 N	12	38	26	E 166.90	B	12 19	13 04	12 19	12 58	12 19	13 04		
4287 D	13	32	04	W026.51	B	13 04	13 52			13 04	13 52	13 02	13 47
4287 N	14	25	40	E 140.09	B	13 52	13 55	13 52	13 58	13 52	13 58		
4287 N	14	25	40	E 140.09	A	14 11	14 25	14 12	14 25	14 12	14 24		
4288 D	15	19	18	W053.32									
4288 N	16	12	54	E 113.28	A	15 58	16 12	15 58	16 11	15 59	16 11		
4289 D	17	06	33	W080.13									
4289 N	18	00	08	E 086.47	B			17 27	18 22	17 27	18 26		
4290 D	18	53	47	W106.93	B	19 07	19 10			18 26	19 10	18 24	19 09
4290 N	19	47	22	E 059.66	B	19 16	20 13	19 16	20 09	19 16	20 13		
4291 D	20	41	01	W133.74	B	20 13	20 58			20 13	20 58	20 11	20 57
4291 N	21	34	36	E 032.86	B	21 05	22 00	21 05	21 56	21 05	22 00		
4292 D	22	23	15	W160.55	B	22 00	22 43			22 00	22 42		
4292 N	23	21	50	E 006.05									



**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 22 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4293 D	00	15	29	E 172.64	B	23 47	00 36			23 47	00 36	23 49	00 31
4293 N	01	09	04	W020.76	B	00 36	01 30	00 36	01 31	00 36	01 34		
4294 D	02	02	43	E 145.83	B					01 34	01 46	01 33	01 47
4294 N	02	56	18	W047.57									
4295 D	03	49	57	E 119.02									
4295 N	04	43	33	W074.38	A	04 15	04 28	04 15	04 27	04 15	04 28		
4296 D	05	37	11	E 092.21	A	05 38	05 52			05 38	05 50	05 39	05 49
4296 N	06	30	47	W101.19	B	06 22	06 56	06 22	06 51	06 22	06 56		
4297 D	07	24	25	E 065.40	B	06 56	07 45			06 56	07 45	06 55	07 40
4297 N	08	18	01	W128.00	B	07 45	07 54	07 45	07 55	07 45	07 56		
4297 N	08	18	01	W128.00	B	08 01	08 43	08 01	08 40	08 01	08 43		
4298 D	09	11	39	E 033.59	B	08 43	09 32			08 43	09 32	08 42	09 27
4298 N	10	05	15	W154.81	B	09 32	09 43	09 32	09 42	09 32	09 42		
4298 N	10	05	15	W154.81	B	09 48	10 31	09 48	10 01	09 48	10 31		
4298 N	10	05	15	W154.81	B			10 06	10 27				
4299 D	10	58	53	E 011.78	B	10 31	11 19			10 31	11 19	10 29	11 14
4299 N	11	52	29	E 178.39	B	11 19	11 29	11 19	11 28	11 19	11 26		
4299 N	11	52	29	E 178.39	B	11 34	12 18	11 34	12 12	11 34	12 18		
4300 D	12	46	07	W015.03	B	12 18	13 06			12 18	13 06	12 16	13 02
4300 N	13	39	43	E 151.58	B	13 06	13 15	13 06	13 14	13 06	13 13		
4300 N	13	39	43	E 151.58	B	13 20	14 05	13 20	14 02	13 24	14 05		
4301 D	14	33	21	W041.83	B	14 05	14 54			14 05	14 54	14 04	14 49
4301 N	15	26	57	E 124.77	A	14 54	15 26	15 13	15 26	15 13	15 24		
4302 D	16	20	35	W068.64									
4302 N	17	14	11	E 097.96	A	17 00	17 14	17 00	17 12	17 00	17 11		
4303 D	18	07	49	W095.45									
4303 N	19	11	25	E 071.15	B	18 25	19 27	18 28	19 23	18 28	19 27		
4304 D	19	55	03	W122.26	B	19 27	20 11			19 27	20 11	19 26	20 11
4304 N	20	48	39	E 044.34	B	20 18	21 14	20 18	21 11	20 18	21 14		
4305 D	21	42	17	W149.07	B	21 14	21 57			21 14	21 57	21 13	21 51
4305 N	22	35	53	E 017.53									
4306 D	23	29	31	W175.88									
4306 N	00	23	07	W009.28									

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 23 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4307 D	01	16	45	E 157.31	B	00 49	01 37			00 49	01 37	00 51	01 32
4307 N	02	10	21	W036.09	B	01 37	02 32	01 37	02 33	01 37	02 36		
4308 D	03	03	59	E 130.50	B					02 36	02 51	02 31	02 48
4308 N	03	57	35	W062.90									
4309 D	04	51	14	E 103.70									
4309 N	05	44	49	W089.70	A	05 14	05 28	05 14	05 27	05 14	05 27		
4310 D	06	38	28	E 076.89	A	06 39	06 50			06 39	06 50		
4310 N	07	32	03	W116.51	B	07 18	07 58	07 17	07 54	07 17	07 58		
4311 D	08	25	42	E 050.08	B	07 58	08 46			07 58	08 46	07 56	08 41
4311 N	09	19	17	W143.32	B	08 46	08 57	08 46	08 55	08 46	08 56		
4311 N	09	19	18	W143.32	B	09 02	09 45	09 02	09 41	09 02	09 45		
4312 D	10	12	56	E 023.27	B	09 45	10 33			09 45	10 33	09 44	10 29
4312 N	11	06	31	W170.13	B	10 33	10 45	10 33	10 43	10 33	10 44		
4312 N	11	06	31	W170.13	B	10 50	11 32	10 50	11 29	10 50	11 32		
4313 D	12	00	10	W003.54	B	11 32	12 21			11 32	12 21	11 31	12 16
4313 N	12	53	45	E 163.06	B	12 21	12 29	12 21	12 26	12 21	12 27		
4313 N	12	53	45	E 163.06	B	12 34	13 19	12 34	13 16	12 34	13 19		
4314 D	13	47	24	W030.35	B	13 19	14 08			13 19	14 08	13 18	14 03
4314 N	14	41	00	E 136.25	B	14 08	14 14	14 08	14 13	14 08	14 13		
4314 N	14	41	00	E 136.25	A	14 27	14 41	14 27	14 40				
4315 D	15	34	38	W057.16									
4315 N	16	28	14	E 109.44	A	16 14	16 28	16 14	16 26	16 14	16 27		
4316 D	17	21	52	W083.97									
4316 N	18	15	28	E 082.63	B	17 42	18 41	17 42	18 37	17 42	18 41		
4317 D	19	09	06	W110.78	B	18 41	19 25			18 41	19 23	18 40	19 25
4317 N	20	02	42	E 055.83	B	19 30	20 28	19 30	20 25	19 31	20 28		
4318 D	20	56	20	W137.59	B	20 28	21 13			20 28	21 11	20 27	21 12
4318 N	21	49	56	E 029.02	B	21 18	22 16	21 18	22 12	21 18	22 16		
4319 D	22	43	34	W164.39	B	22 16	22 58			22 16	22 57	22 14	22 56
4319 N	23	37	10	E 002.21									



**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 24 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4320 D	00	30	48	E 168.80	B	00 21	00 51			00 03	00 51	00 05	00 47
4320 N	01	24	24	W024.60	B	00 51	01 50	00 51	01 45	00 51	01 50		
4321 D	02	18	02	E 141.99	B	01 50	02 05			01 50	02 03	01 49	02 03
4321 N	03	11	38	W051.41									
4322 D	04	05	16	E 115.18									
4322 N	04	58	52	W078.22	A	04 30	04 44	04 30	04 42	04 30	04 42		
4323 D	05	52	30	E 088.37	A	05 54	06 08			05 54	06 06	05 54	06 05
4323 N	06	46	06	W105.03	B			06 31	07 06	06 31	07 12		
4324 D	07	39	44	E 061.56	B	07 58	08 00			07 12	08 00	07 10	07 56
4324 N	08	33	20	W131.84	B	08 00	08 12	08 00	08 10	08 00	08 07		
4324 N	08	33	20	W131.84	B	08 17	08 59	08 17	08 55	08 17	08 59		
4325 D	09	26	58	E 034.75	B	08 59	09 48			08 59	09 48	08 58	09 43
4325 N	10	20	34	W158.65	B	09 48	09 56	09 48	09 57	09 48	09 57		
4325 N	10	20	34	W158.65	B	10 03	10 46	10 03	10 43	10 03	10 46		
4326 D	11	14	12	E 007.94	B	10 46	11 35			10 46	11 35	10 45	11 30
4326 N	12	07	48	E 174.54	B	11 35	11 44	11 35	11 43	11 35	11 44		
4326 N	12	07	48	E 174.54	B	11 50	12 33	11 50	12 30	11 50	12 33		
4327 D	13	01	26	W018.86	B	12 33	13 22			12 33	13 22	12 32	13 17
4327 N	13	55	02	E 147.73	B	13 22	13 29	13 22	13 28				
4327 N	13	55	02	E 147.73	A	13 44	13 57	13 44	13 57	13 44	13 56		
4328 D	14	48	40	W045.67									
4328 N	15	42	16	E 120.93	A	15 27	15 40	15 27	15 38	15 27	15 39		
4329 D	16	35	55	W072.48									
4329 N	17	29	30	E 094.12	A	17 16	17 29	17 16	17 28	17 16	17 29		
4330 D	18	23	09	W099.29									
4330 N	19	16	44	E 067.31	B	18 42	19 42	18 44	19 39	18 44	19 42		
4331 D	20	10	23	W126.10	B	19 42	20 26			19 42	20 24	19 41	20 23
4331 N	21	03	59	E 040.50	B	20 31	21 30	20 31	21 25	20 31	21 30		
4332 D	21	57	37	W152.91	B	21 30	22 12			21 30	22 12	21 28	22 10
4332 N	22	51	12	E 013.69									
4333 D	23	44	51	W179.72									
4333 N	00	38	26	W013.12									



**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 25 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4334 D	01	32	05	E 153.47	B	01 23	01 53			01 04	01 53	01 06	01 48
4334 N	02	25	41	W039.93	B	01 53	02 51	01 53	02 48	01 53	02 51		
4335 D	03	19	19	E 126.66	B	02 51	03 06			02 51	03 05	02 50	03 04
4335 N	04	12	55	W066.74	A	03 49	04 01	03 48	04 00	03 48	03 59		
4336 D	05	06	33	E 099.85	A	05 08	05 21			05 08	05 19	05 09	05 19
4336 N	06	00	09	W093.54									
4337 D	06	53	47	E 073.04	A	06 55	07 09			06 55	07 07	06 56	07 06
4337 N	07	47	23	W120.35	B			07 32	08 08	07 32	08 13		
4338 D	08	41	01	E 046.24	B					08 13	09 02	08 12	08 57
4338 N	09	34	37	W147.16	B			09 02	09 12	09 02	09 13		
4338 N	09	34	37	W147.16	B	09 40	10 00	09 38	09 57	09 38	10 00		
4339 D	10	22	15	E 019.43	B	10 00	10 49			10 00	10 49	09 59	10 44
4339 N	11	21	51	W173.97	B	10 49	11 00	10 49	11 01	10 49	11 00		
4339 N	11	21	51	W173.97	B			11 06	11 44	11 06	11 48		
4340 D	12	15	30	W007.38	B					11 48	12 36	11 46	12 31
4340 N	13	09	05	E 159.22	B	12 40	12 45	12 36	12 45	12 36	12 45		
4340 N	13	09	05	E 159.22	B			12 51	13 31	12 51	13 35		
4341 D	14	02	43	W034.19	B	13 55	14 23			13 35	14 23	13 33	14 19
4341 N	14	56	19	E 132.41	B	14 23	14 28	14 23	14 28				
4341 N	14	56	19	E 132.41	A	14 42	14 55	14 43	14 54	14 42	14 54		
4342 D	15	49	57	W061.00									
4342 N	16	43	33	E 105.60	A			16 29	16 41	16 30	16 43		
4343 D	17	37	11	W087.81	A	17 20	17 34						
4343 N	18	30	47	E 078.79	B	17 59	18 57	17 59	18 53	17 59	18 57		
4344 D	19	24	25	W114.62	B	18 57	19 40			18 57	19 40	18 55	19 40
4344 N	20	18	01	E 051.98	B	19 46	20 44	19 46	20 40	19 46	20 44		
4345 D	21	11	39	W141.43	B	20 44	21 28			20 44	21 26	20 43	21 28
4345 N	22	05	15	E 025.17	B	21 43	22 31	21 33	22 27	21 33	22 31		
4346 D	22	58	53	W168.23	B	22 31	23 14			22 31	23 13	22 30	23 11
4346 N	23	52	29	W001.63									

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 26 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4347 D	00	46	07	E 164.96	B	00 18	01 07			00 18	01 07	00 21	01 02
4347 N	01	39	43	W028.44	B	01 07	02 01	01 07	02 00	01 07	02 06		
4348 D	02	33	21	E 138.15	B					02 06	02 19	02 04	02 18
4348 N	03	26	57	W055.25									
4349 D	04	20	36	E 111.34									
4349 N	05	14	11	W082.06	A	04 44	04 57	04 44	04 56	04 44	04 56		
4350 D	06	07	50	E 084.53	A	06 09	06 22			06 09	06 21	06 10	06 20
4350 N	07	01	25	W108.87	B	06 47	07 27	06 48	07 23	06 47	07 27		
4351 D	07	55	04	E 057.72	B	07 27	08 16			07 27	08 16	07 26	08 11
4351 N	08	48	39	W135.68	B	08 16	08 26	08 16	08 25	08 16	08 25		
4351 N	08	48	39	W135.68	B			08 31	09 09	08 31	09 15		
4352 D	09	42	18	E 030.91	B	09 38	10 03			09 15	10 03	09 13	09 58
4352 N	10	35	53	W162.49	B	10 03	10 17	10 03	10 15	10 03	10 15		
4352 N	10	35	53	W162.49	B			10 21	10 57	10 21	11 02		
4353 D	11	29	32	E 004.10	B	11 21	11 50			11 02	11 50	11 00	11 45
4353 N	12	23	07	E 170.70	B	11 50	11 57	11 50	11 56	11 50	11 56		
4353 N	12	23	07	E 170.70	B	12 02	12 49	12 02	12 45	12 02	12 49		
4354 D	13	16	46	W022.71	B	12 49	13 38			12 49	13 38	12 48	13 33
4354 N	14	10	22	E 143.90	A	13 38	14 09	13 56	14 08	13 56	14 08		
4355 D	15	04	00	W049.52									
4355 N	15	57	36	E 117.09	A	15 44	15 57	15 44	15 55	15 44	15 54		
4356 D	16	51	14	W076.33									
4356 N	17	44	50	E 090.28	B	17 10	18 11	17 12	18 07	17 12	18 11		
4357 D	18	38	28	W103.13	B	18 11	18 55			18 11	18 55	18 09	18 54
4357 N	19	32	04	E 063.47	B	19 01	19 58	19 02	19 54	19 02	19 58		
4358 D	20	25	42	W129.94	B	19 58	20 41			19 58	20 41	19 57	20 42
4358 N	21	19	18	E 036.66	B	20 47	21 45	20 48	21 42	20 48	21 45		
4359 D	22	12	56	W156.75	B	21 45	22 28			21 45	22 28	21 44	22 29
4359 N	23	06	32	E 009.85									

**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 27 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			DEG	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4360 D	00	00	10	E 176.44	B	23 50	00 21			23 32	00 21	23 35	00 16
4360 N	00	53	46	W016.96	B	00 21	01 20	00 21	01 15	00 21	01 20		
4361 D	01	47	24	E 149.63	B	01 20	01 34			01 20	01 32	01 18	01 32
4361 N	02	41	00	W043.77									
4362 D	03	34	38	E 122.82									
4362 N	04	28	14	W070.58	A	04 00	04 14	04 01	04 14	04 00	04 11		
4363 D	05	21	52	E 096.01	A	05 22	05 36			05 23	05 35	05 24	05 34
4363 N	06	15	28	W097.39									
4364 D	07	09	06	E 069.20	A	07 09	07 23			07 10	07 21	07 11	07 22
4364 N	08	02	42	W124.20	B	07 40	08 29	07 41	08 25	07 41	08 29		
4365 D	08	56	20	E 042.40	B	08 29	09 17			08 29	09 17	08 27	09 12
4365 N	09	49	56	W151.00	B	09 17	09 25	09 17	09 27	09 17	09 27		
4365 N	09	49	56	W151.00	B	09 46	10 16	09 34	10 10	09 34	10 16		
4366 D	10	43	34	E 015.59	B	10 16	11 04			10 16	11 04	10 15	11 00
4366 N	11	37	10	W177.81	B	11 04	11 07	11 04	11 12	11 04	11 12		
4366 N	11	37	10	W177.81	B	11 19	12 03	11 20	11 58	11 20	12 03		
4367 D	12	30	48	W011.22	B	12 03	12 52			12 03	12 52	12 02	12 47
4367 N	13	24	24	E 155.38	B	12 52	12 57			12 52	12 57		
4367 N	13	24	24	E 155.38	B	13 03	13 50	13 03	13 46	13 03	13 50		
4368 D	14	18	02	W038.03	B	13 50	14 39			13 50	14 39	13 49	14 34
4368 N	15	11	38	E 128.57	A	14 39	14 42	14 58	15 11	14 57	15 10		
4368 N	15	11	38	E 128.57	A	14 57	15 11						
4369 D	16	05	17	W064.84									
4369 N	16	58	52	E 101.76	A	16 44	16 58	16 45	16 57	16 45	16 57		
4370 D	17	52	31	W091.65									
4370 N	18	46	06	E 074.95	B	18 11	19 12	18 13	19 08	18 13	19 12		
4371 D	19	39	45	W118.46	B	19 12	19 55			19 12	19 54	19 11	19 52
4371 N	20	33	20	E 048.14	B	20 00	20 59	20 01	20 54	20 01	20 59		
4372 D	21	26	59	W145.27	B	20 59	21 48			20 59	21 43	20 58	21 43
4372 N	22	20	34	E 021.33	B	21 48	22 47	21 49	22 43	21 49	22 47		
4373 D	23	14	13	W172.08	B	22 47	23 29			22 47	23 31	22 45	23 30
4373 N	00	07	48	W005.47									



**TABLE 2-2**  
**SENSOR ON – OFF TIMES**  
**DATE 28 FEBRUARY 1971**

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMPERATURE		IDCS	
	TIME			LONG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC	DEG		HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
4374 D	01	01	27	E 161.11	B	00 52	01 22			00 34	01 22	00 36	01 18
4374 N	01	55	03	W032.28	B	01 22	02 21	01 22	02 16	01 22	02 09		
4375 D	02	48	41	E 134.31	B	02 21	02 36					02 20	02 34
4375 N	03	42	17	W059.09									
4376 D	04	35	55	E 107.50									
4376 N	05	29	31	W085.90	A	04 58	05 12	04 59	05 12	04 59	05 11		
4377 D	06	23	09	E 080.69	A	06 23	06 37			06 24	06 36	06 25	06 36
4377 N	07	16	45	W112.71	B	07 01	07 43	07 02	07 39	07 02	07 43		
4378 D	08	10	23	E 053.88	B	07 43	08 31			07 43	08 31	07 42	08 27
4378 N	09	03	59	W139.52	B	08 31	08 40	08 31	08 40	08 31	08 39		
4378 N	09	03	59	W139.52	B	08 45	09 30	08 46	09 26	08 46	09 30		
4379 D	09	57	37	E 027.07	B	09 30	10 19			09 30	10 19	09 29	10 14
4379 N	10	51	13	W166.33	B	10 19	10 27	10 19	10 27	10 19	10 27		
4379 N	10	51	13	W166.33	B	10 33	11 17	10 33	11 13	10 33	11 17		
4380 D	11	44	51	E 000.26	B	11 17	12 06			11 17	12 06	11 16	12 01
4380 N	12	38	27	E 166.86	B	12 06	12 12	12 06	12 13	12 06	12 11		
4380 N	12	38	27	E 166.86	B	12 18	13 05	12 18	13 01	12 18	13 05		
4381 D	13	32	05	W026.55	B	13 05	13 53			13 05	13 53	13 03	13 45
4381 N	14	25	41	E 140.05	A	13 53	13 57	14 11	14 25	14 12	14 24		
4381 N	14	25	41	E 140.05	B	14 11	14 25						
4382 D	15	19	19	W053.36									
4382 N	16	12	55	E 113.24	A	15 58	16 12	15 58	16 11	15 59	16 11		
4383 D	17	06	33	W080.17									
4383 N	18	00	09	E 086.44	B	17 26	18 26	17 28	18 22	17 28	18 26		
4384 D	18	53	47	W106.97	B	18 26	19 11			18 26	19 10	18 25	19 10
4384 N	19	47	23	E 059.63	B	19 16	20 14	19 16	20 10	19 16	20 14		
4385 D	20	41	01	W133.78	B	20 14	20 56			20 14	20 54	20 12	20 54
4385 N	21	34	37	E 032.82	B	21 17	22 01	21 02	21 57	21 02	22 01		
4386 D	22	28	15	W160.59	B	22 01	22 44			22 01	22 43	21 59	22 45
4386 N	23	21	51	E 006.01									

## SECTION 3

### IMAGE DISSECTOR CAMERA SYSTEM MONTAGES

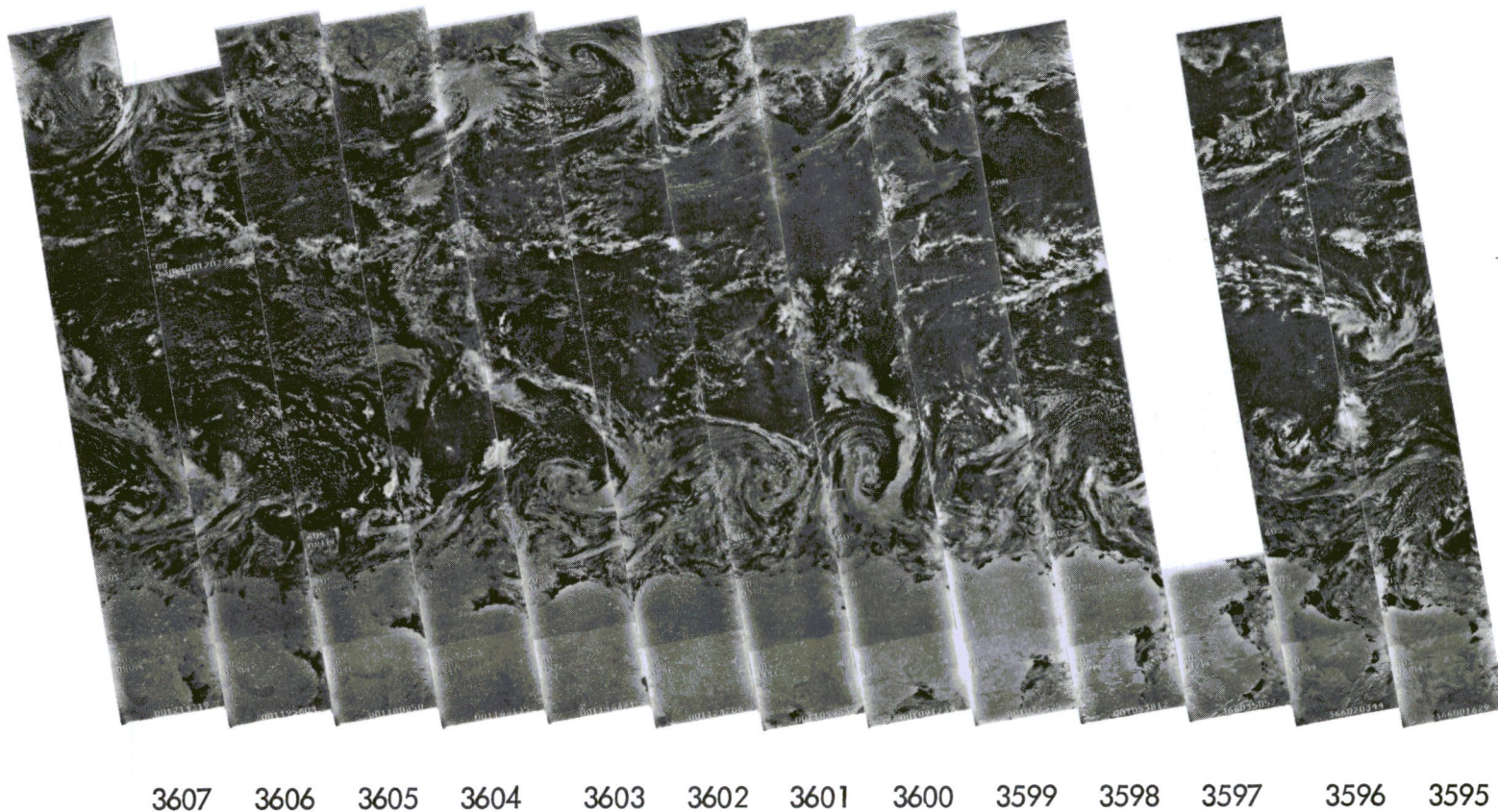
This section depicts the data from the Image Dissector Camera System (IDCS) experiment carried on the Nimbus 4 Meteorological Satellite. The pictorial montage presentation facilitates perusal and search of the IDCS data for preliminary research and also enables the user to determine his specific IDCS film data requirements.

The montages shown represent the daytime television pictures obtained for each day (UT) and are arranged in chronological order in a world montage format. Complete daylight orbital coverage is obtained with 15 consecutive pictures. Successive orbits, displaced about 27 degrees westward in longitude at the equator, provide adjacent pictorial data, with increasing overlap from the equator toward the poles. Data orbit number is indicated below each swath.

A vellum IDCS grid overlay (IDCS Location Guide), attached to the back of this catalog, is to be used for approximate location and orientation of the montage data. Proper alignment of the grid is accomplished by matching the grid indices on the equator with two "T" marks on each montage.

The data area, 5" x 9" in size, has been reduced from the original montage size of 22" x 32". This reduction, required for convenient catalog dimensions, still permits recognition of major cloud and land features.

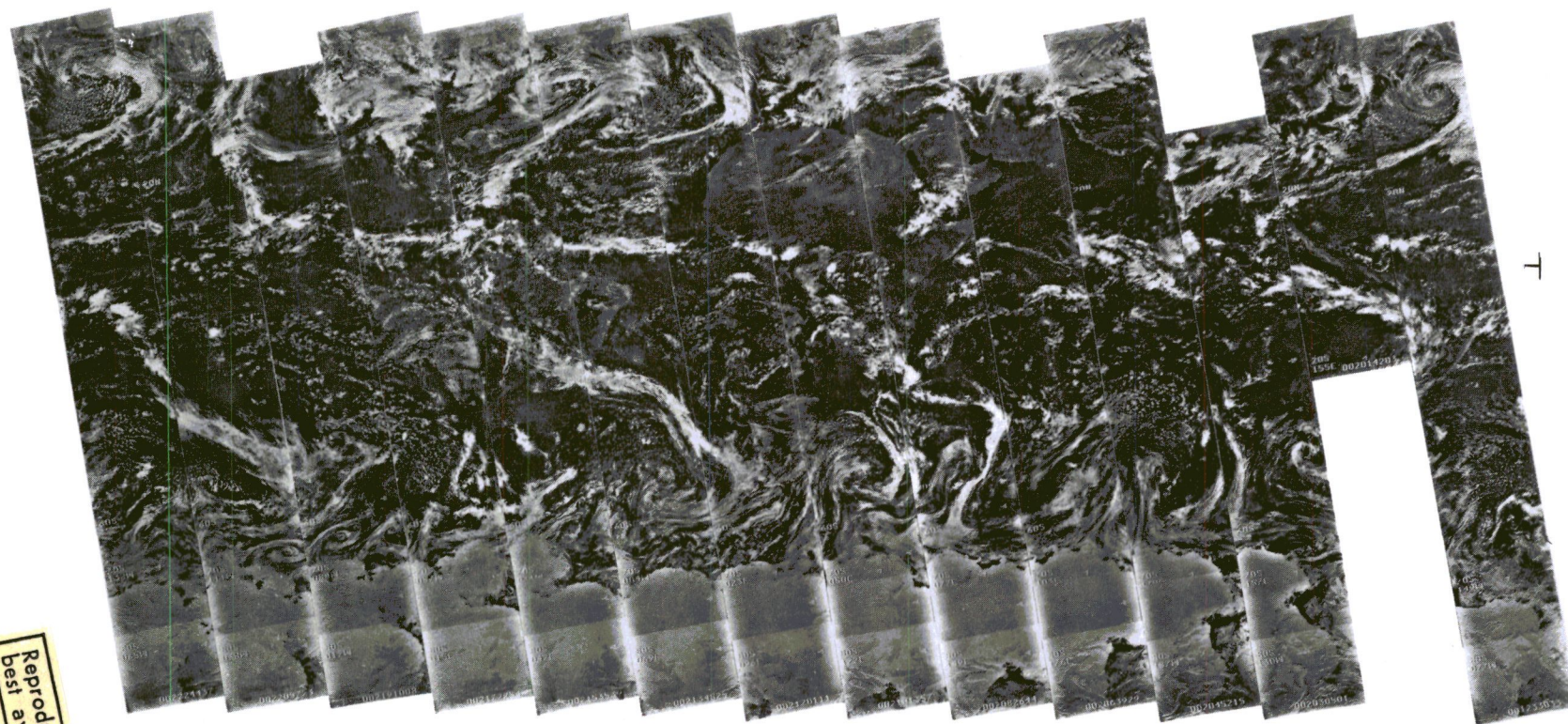
A description of the IDCS experiment and instructions for ordering IDCS data may be found in the Nimbus IV User's Guide, Section 2.



1 JANUARY 1971



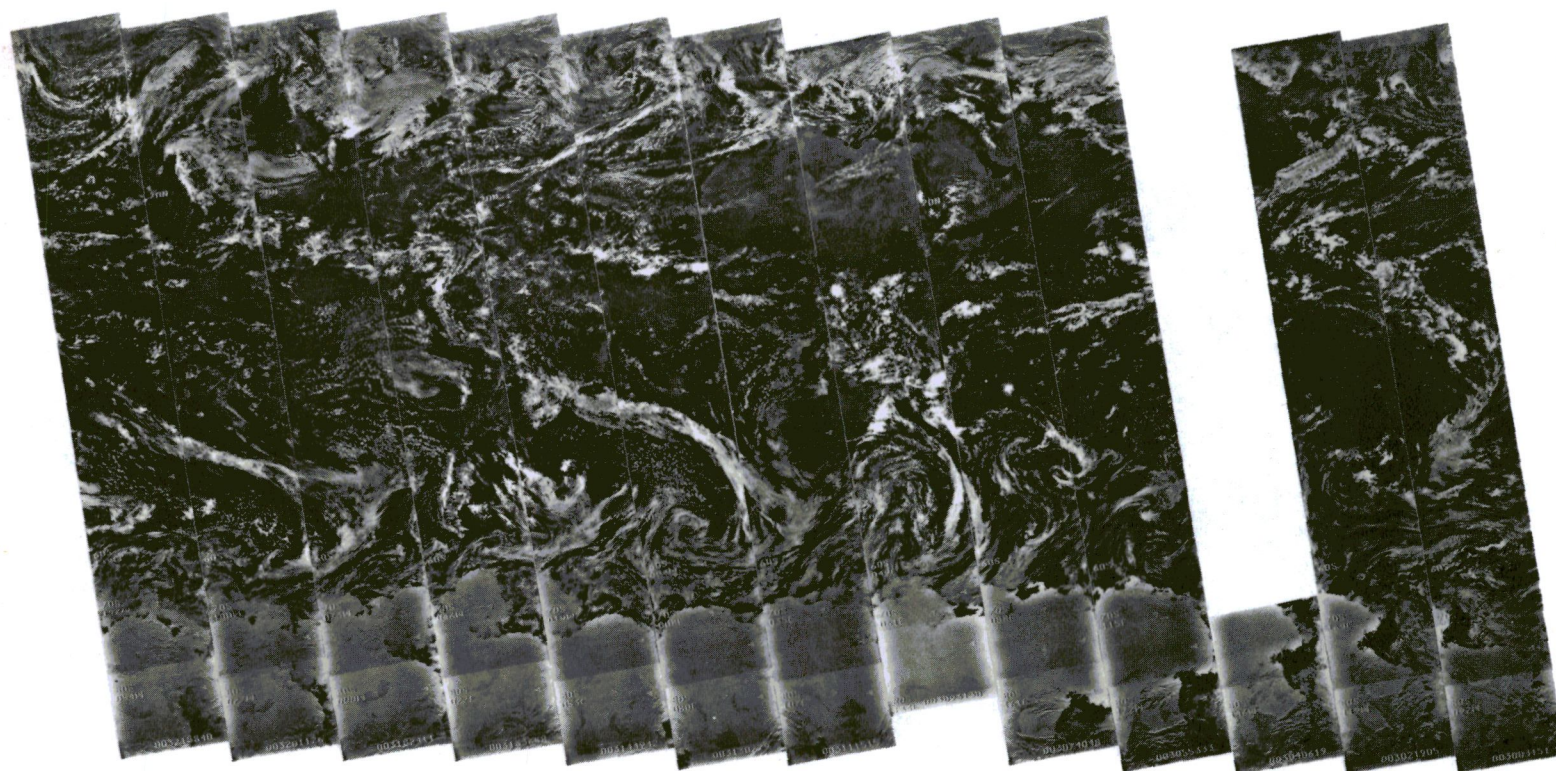
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2 JANUARY 1971

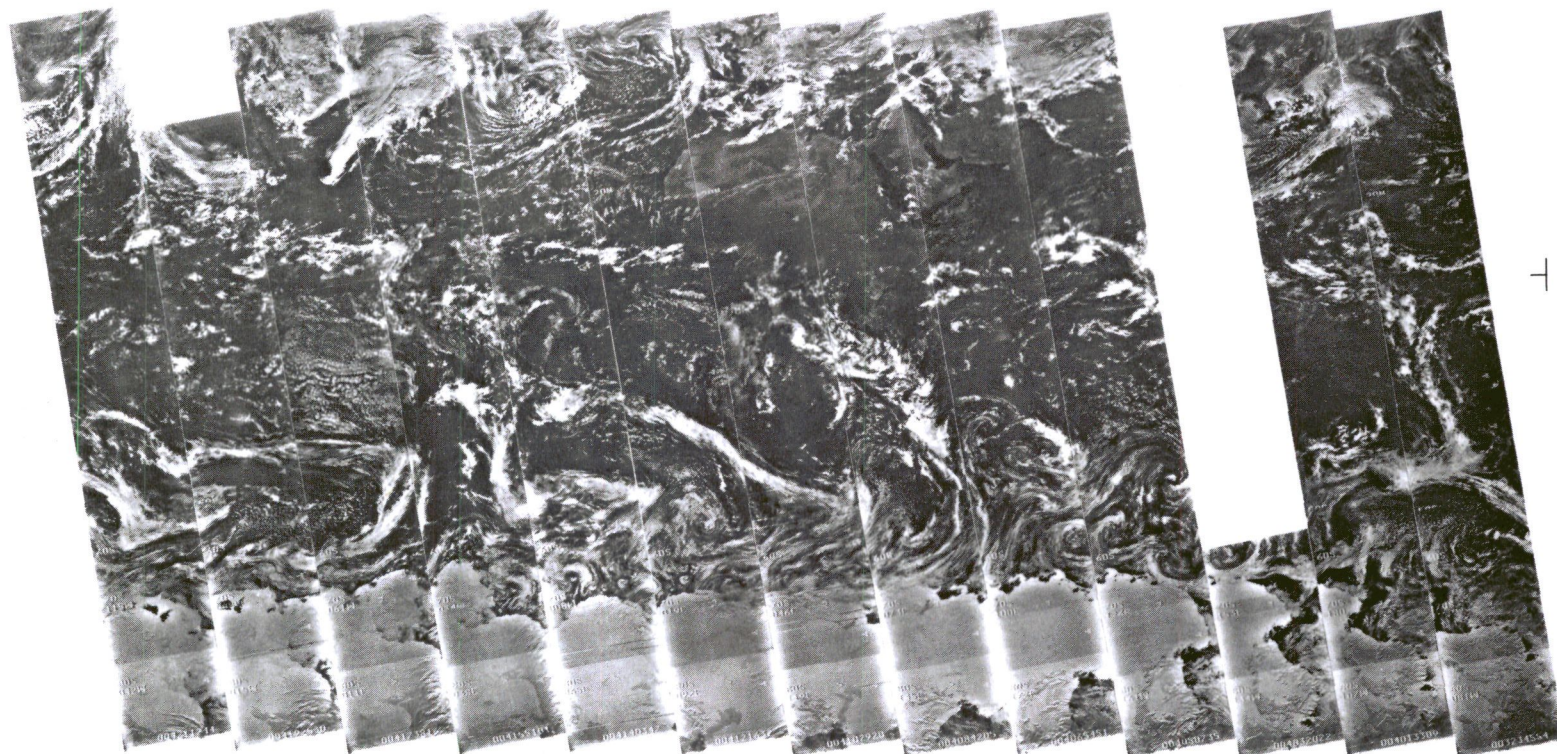




3634 3633 3632 3631 3630 3629 3628 3627 3626 3625 3624 3623 3622  
3 JANUARY 1971



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best available copy.

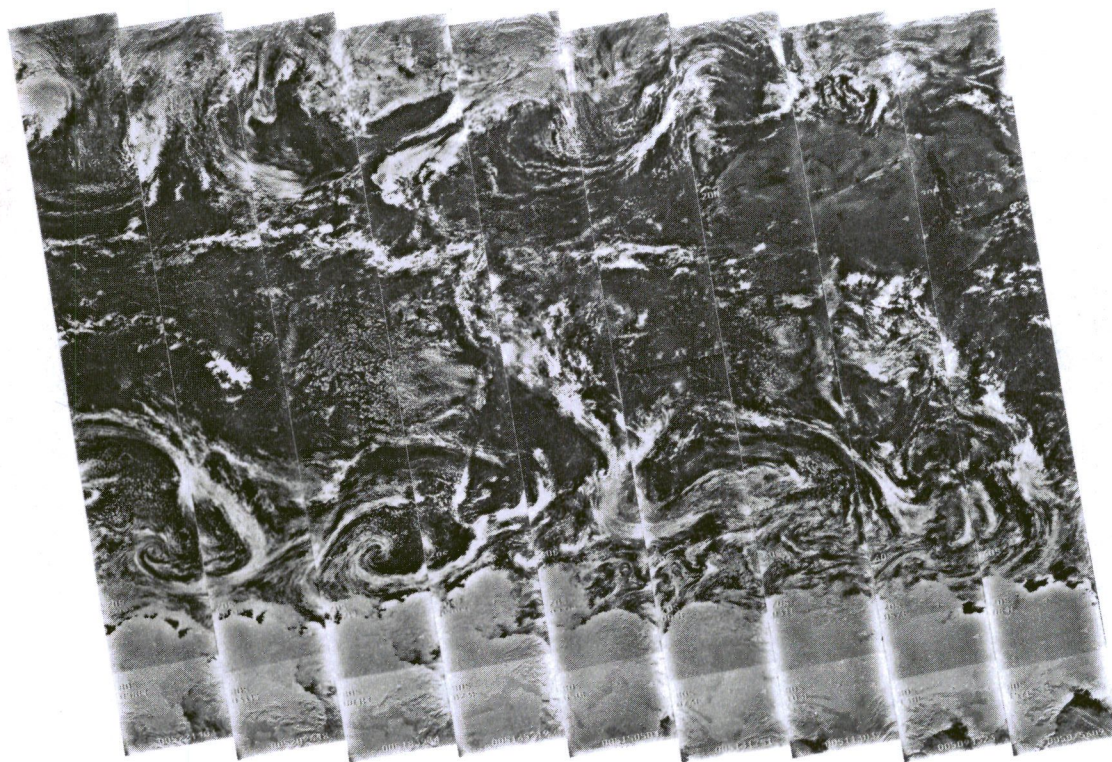


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4 JANUARY 1971



T



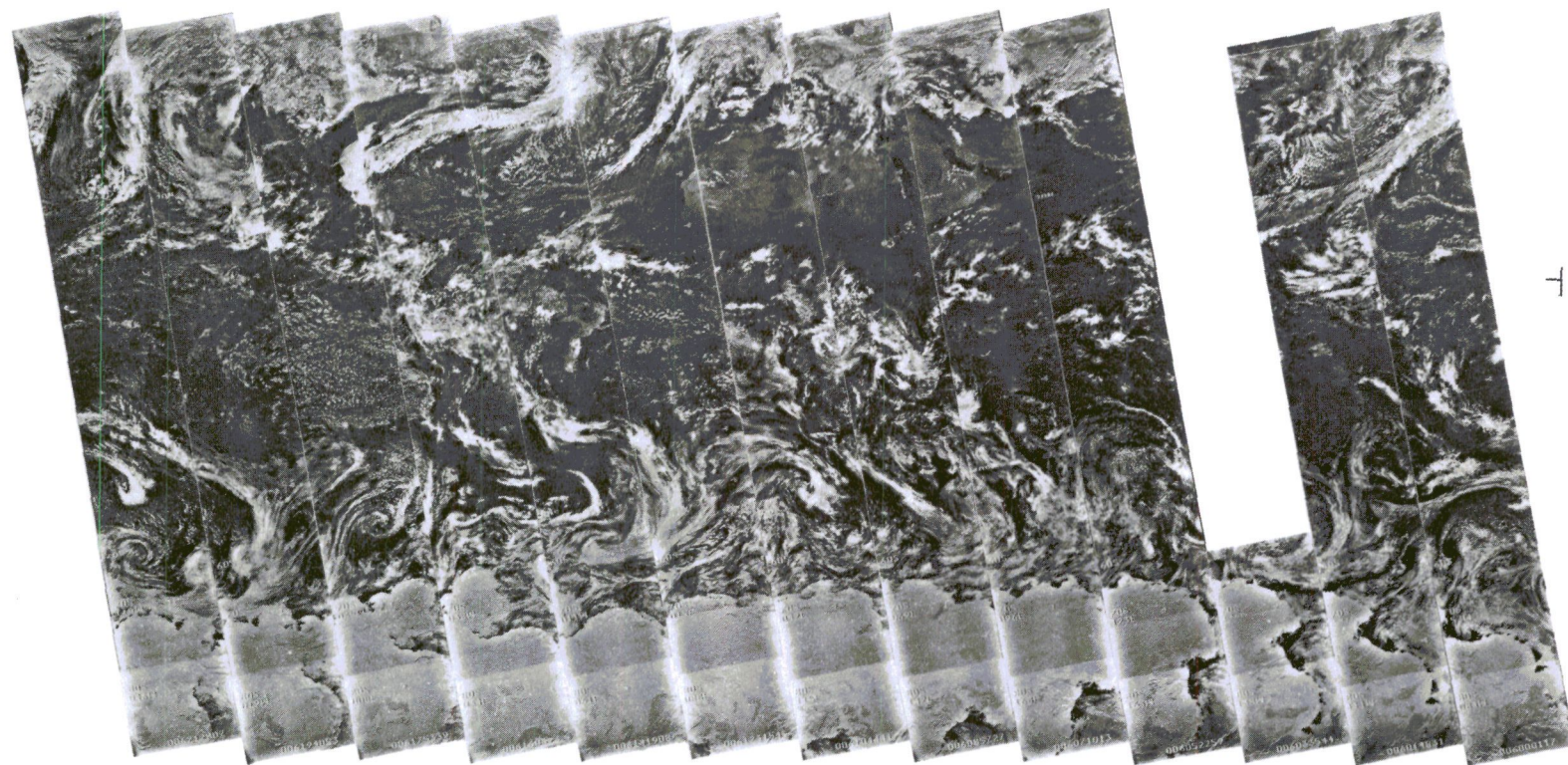
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3661 3660 3659 3658 3657 3656 3655 3654 3653 3652 3651 3650 3649

5 JANUARY 1971



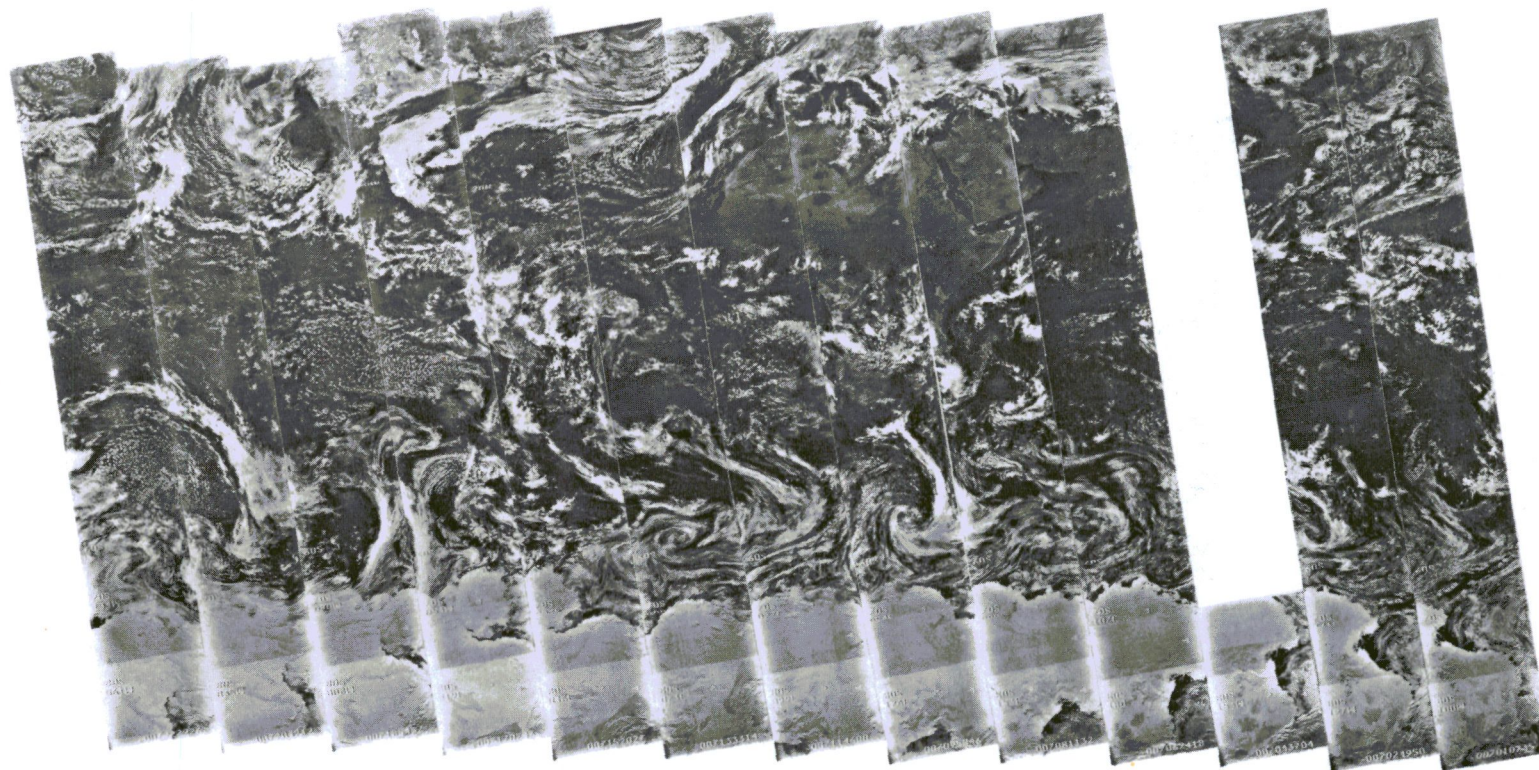
3-7



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6 JANUARY 1971





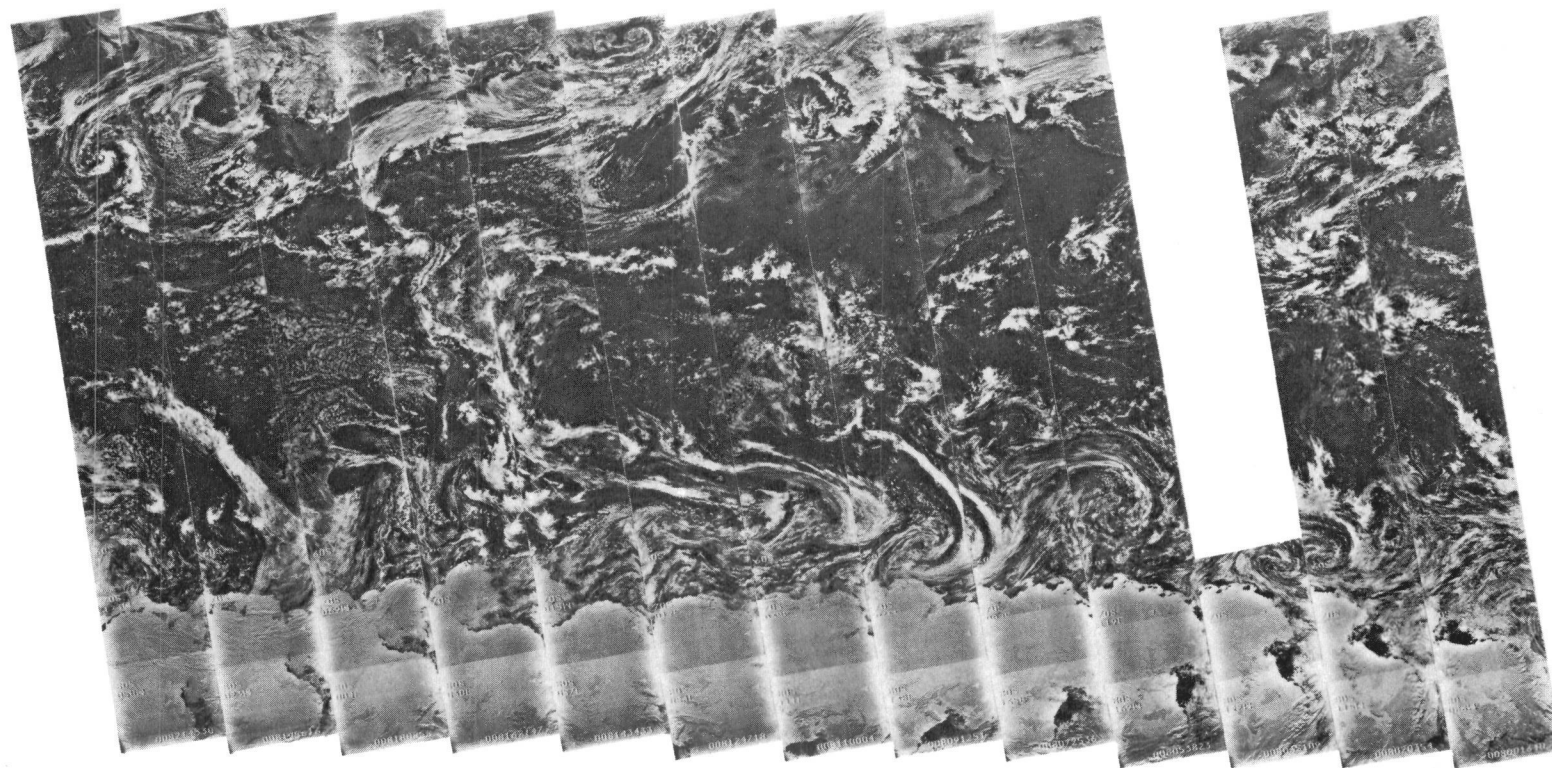
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7 JANUARY 1971



T

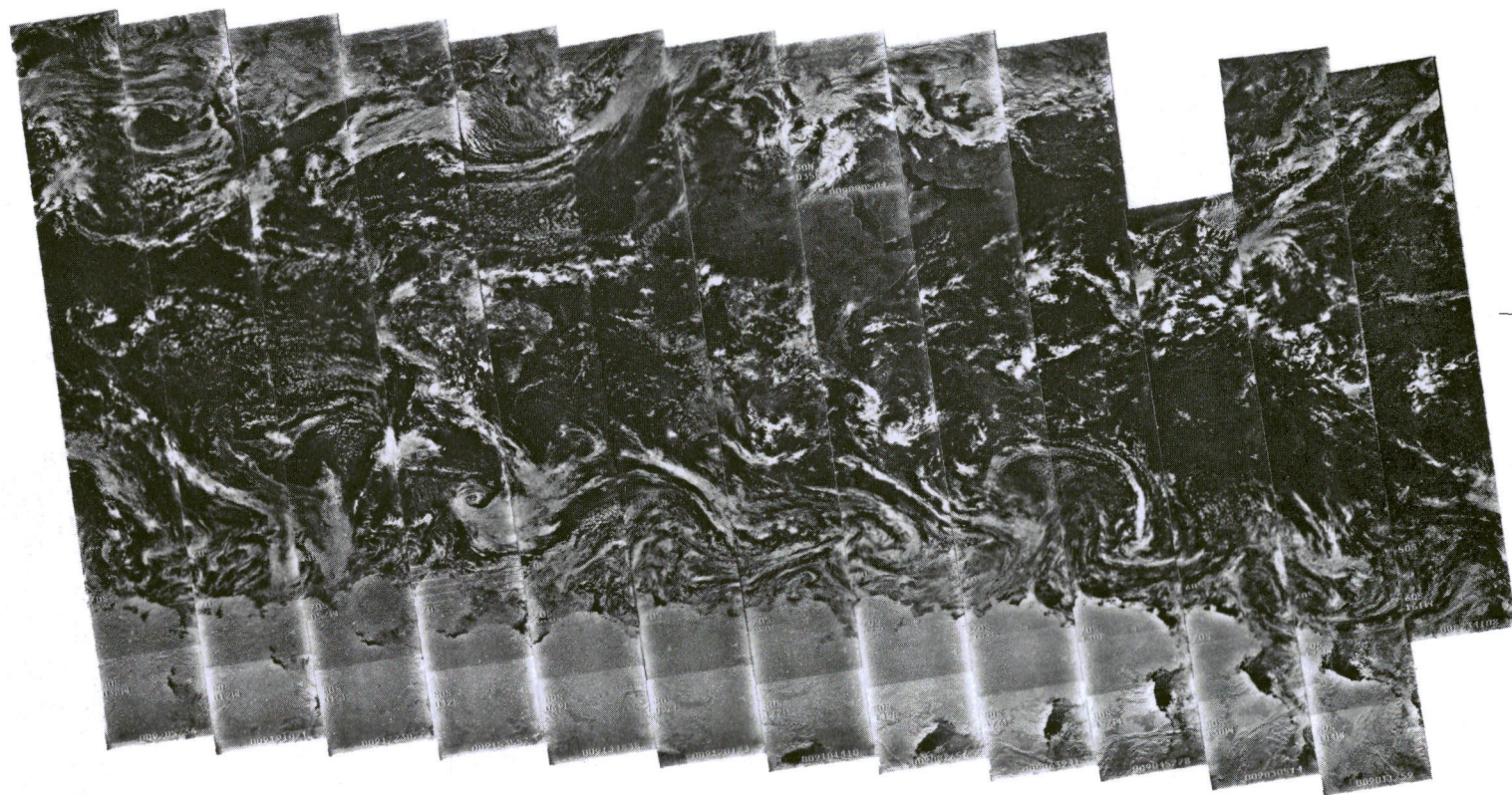
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8 JANUARY 1971

3-10

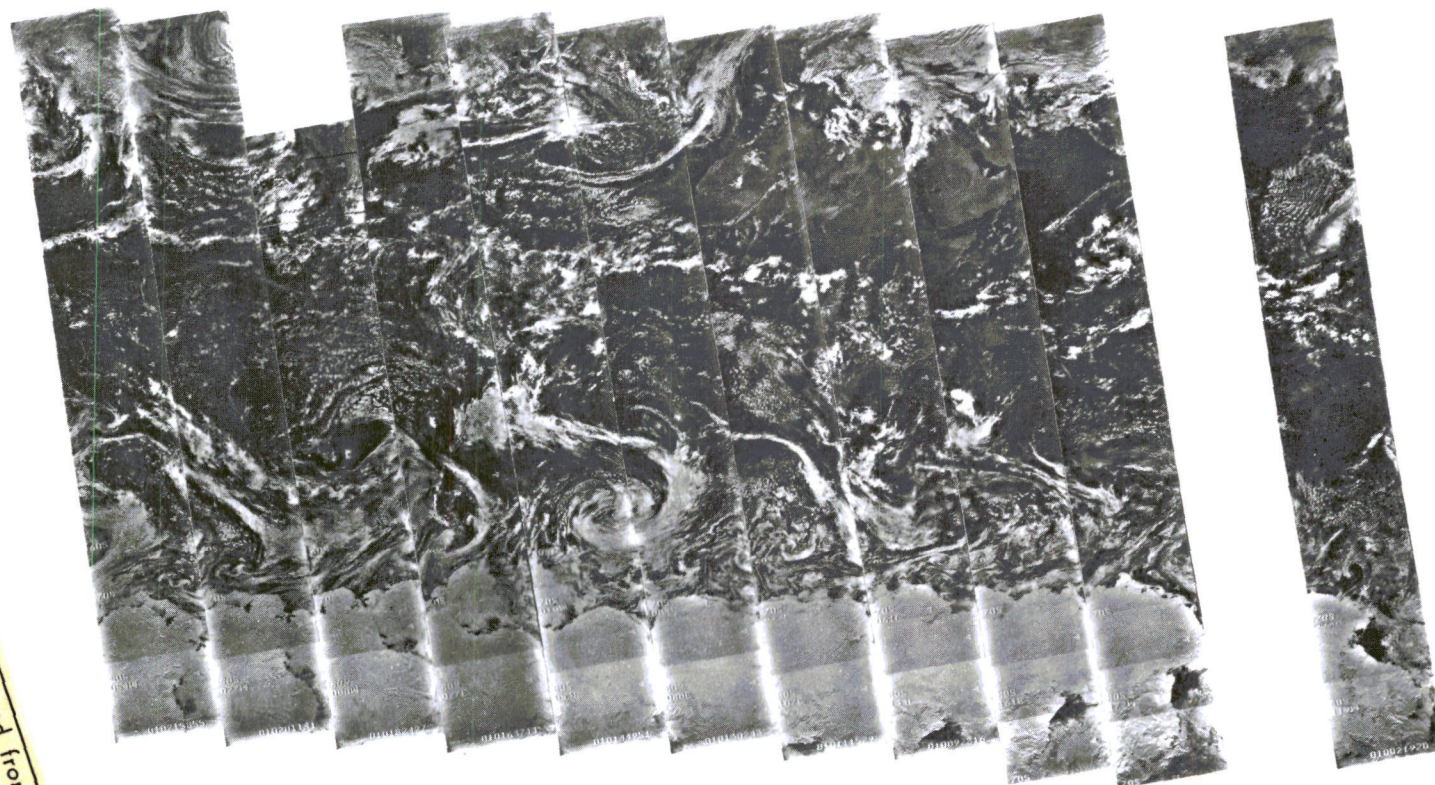


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9 JANUARY 1971



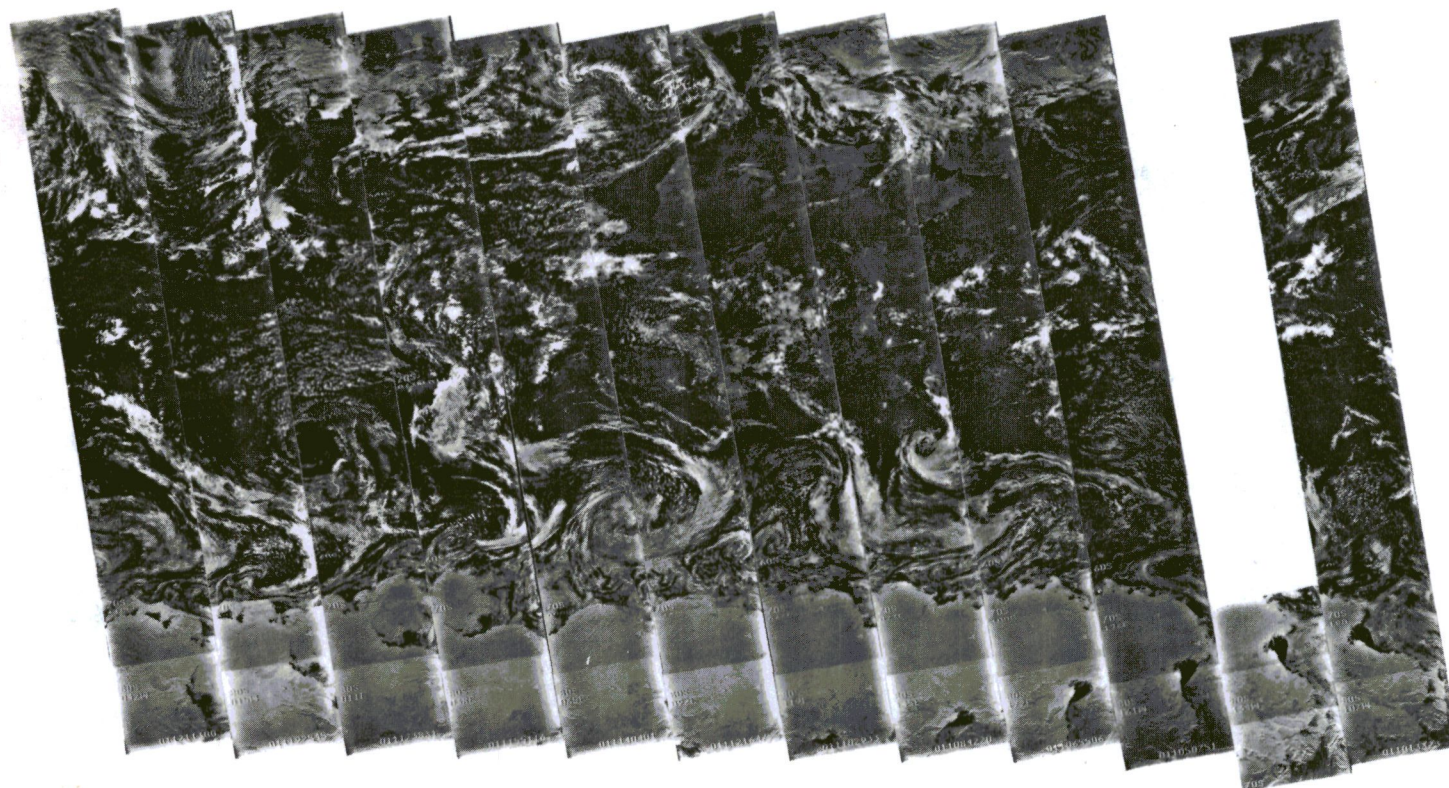
3-11

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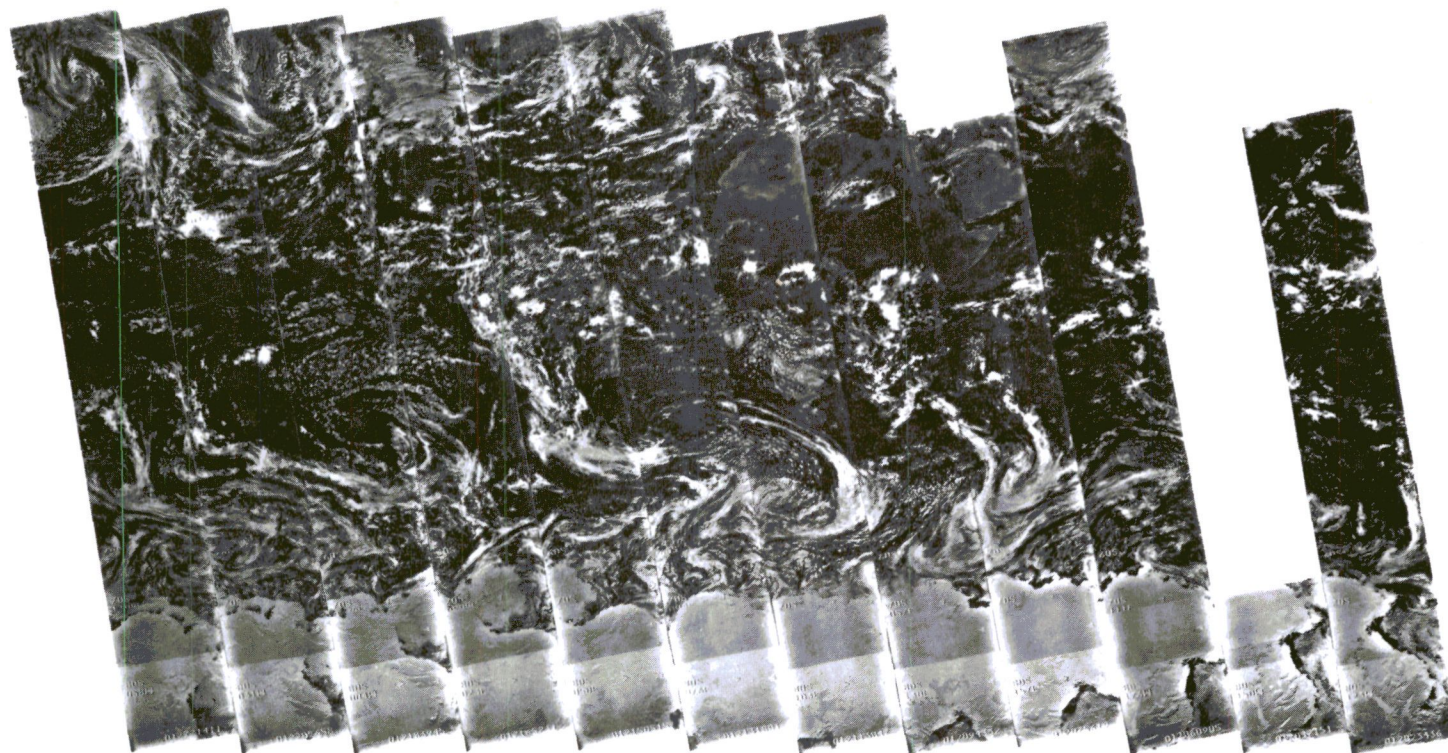
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10 JANUARY 1971





3742 3741 3740 3739 3738 3737 3736 3735 3734 3733 3732 3731 3730 3729

11 JANUARY 1971

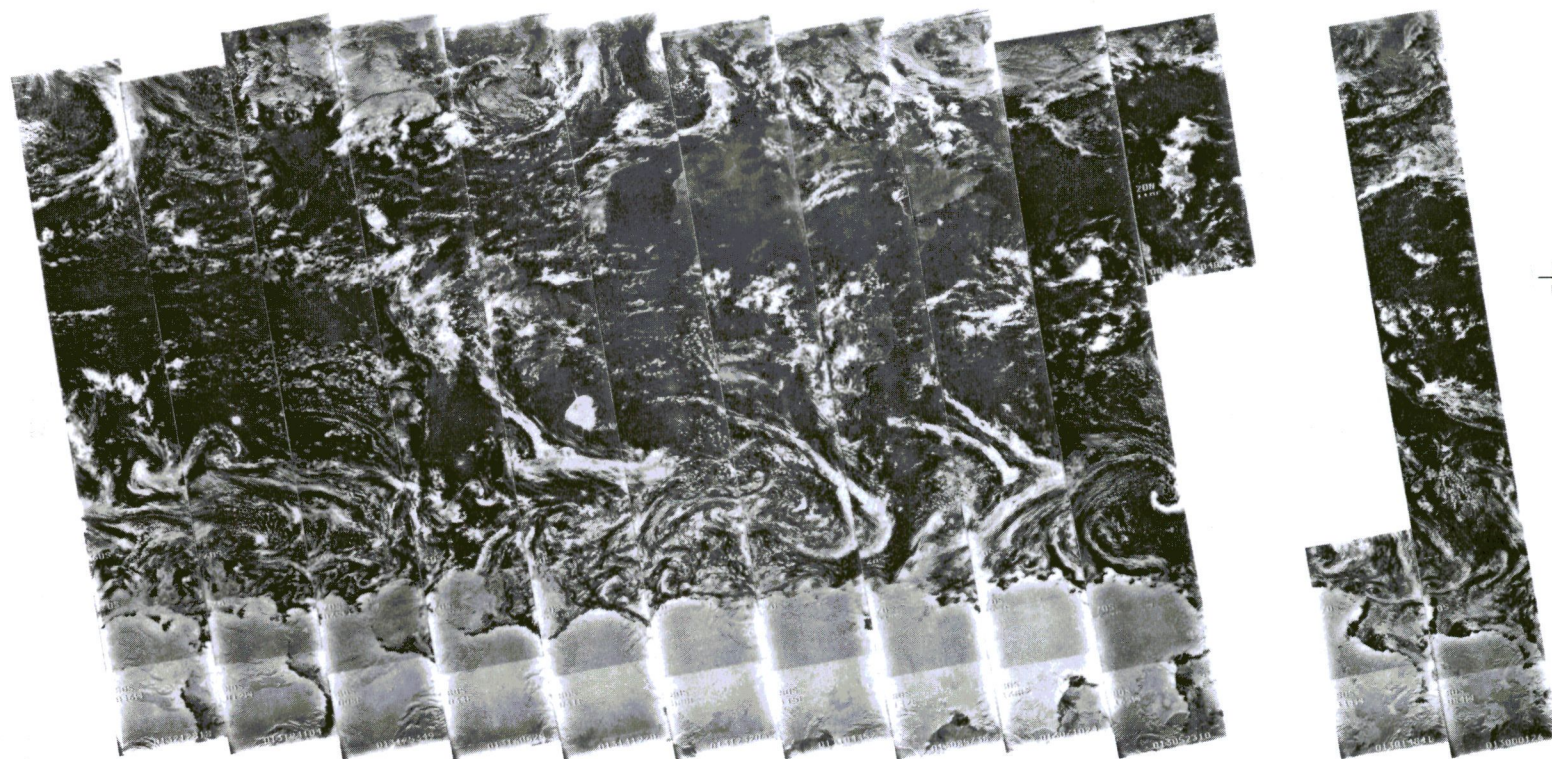


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12 JANUARY 1971



3-14

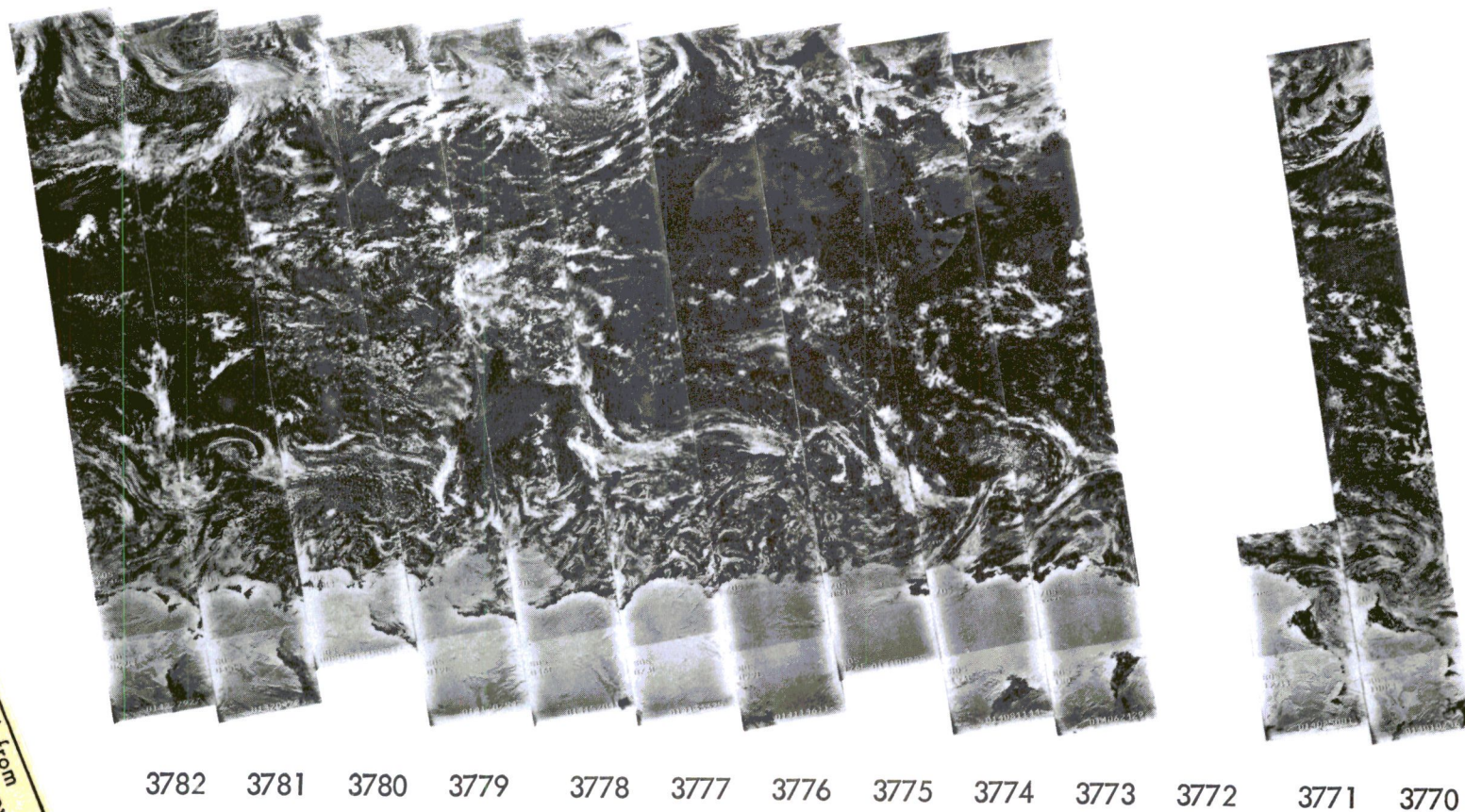


3769 3768 3767 3766 3765 3764 3763 3762 3761 3760 3759 3758 3757 3756

13 JANUARY 1971



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best available copy.

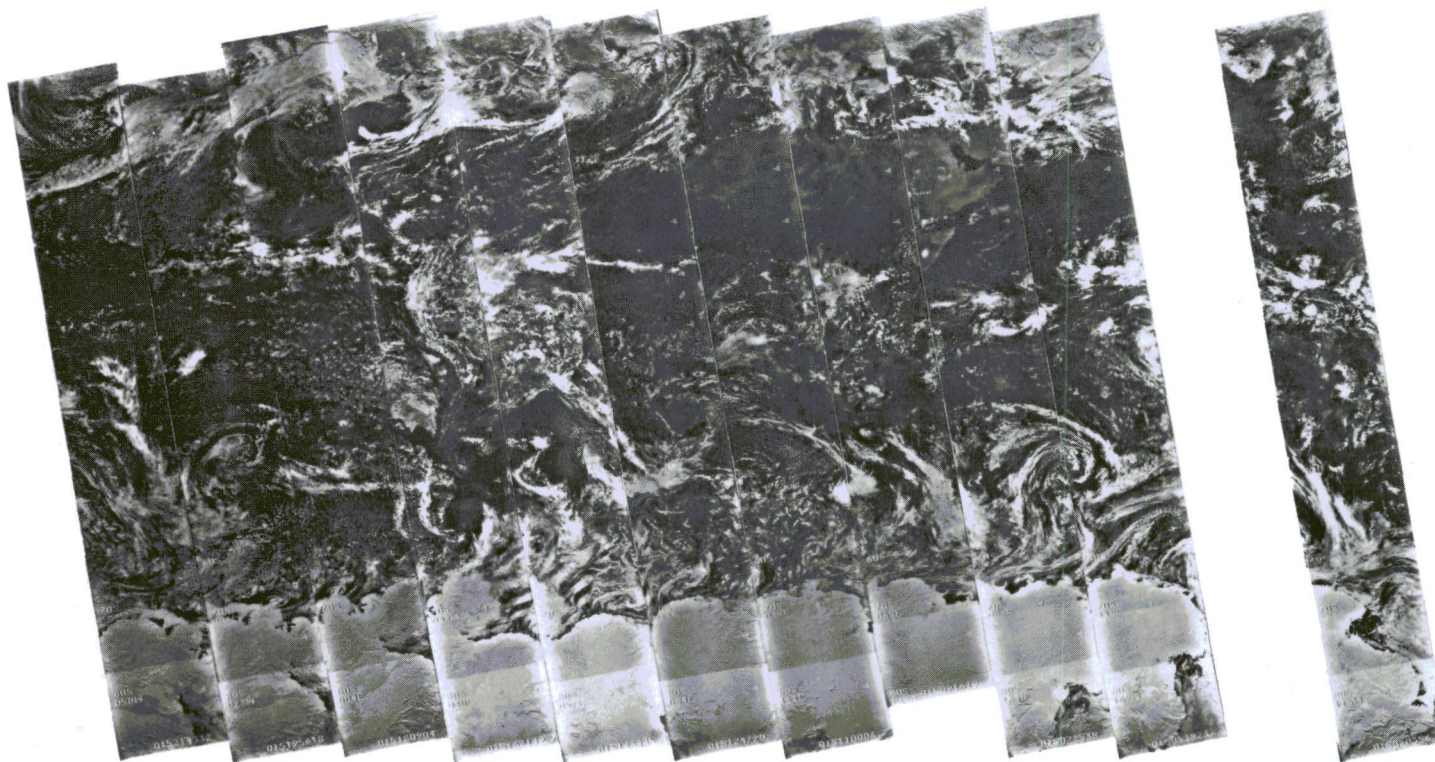


14 JANUARY 1971

3-16

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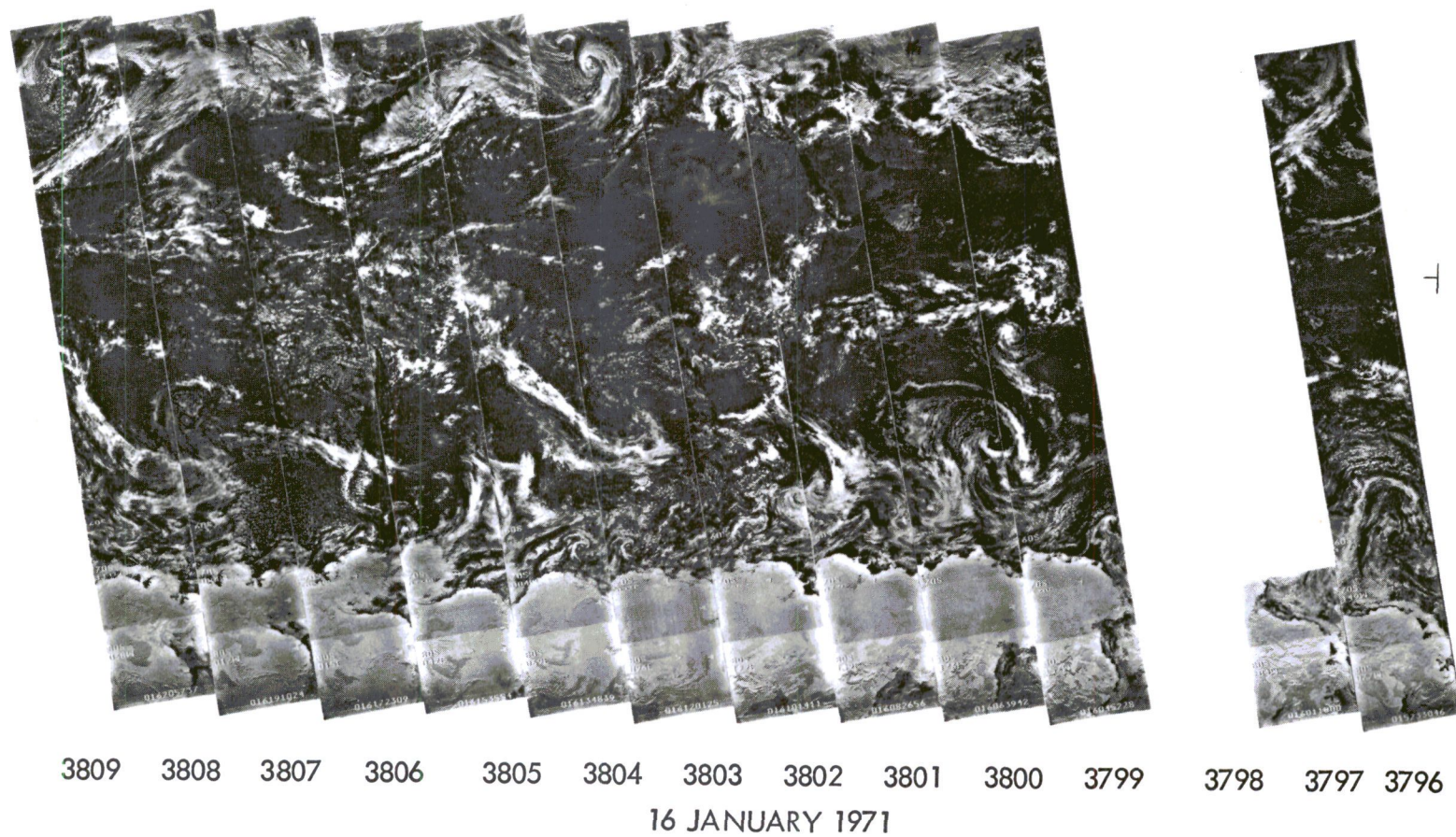


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15 JANUARY 1971

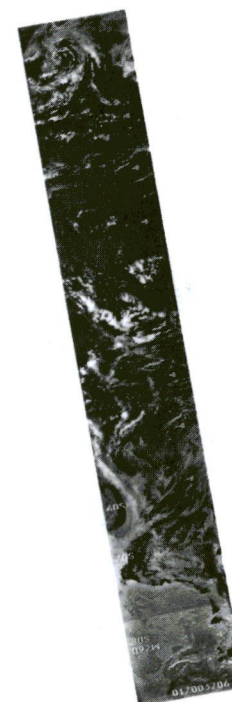
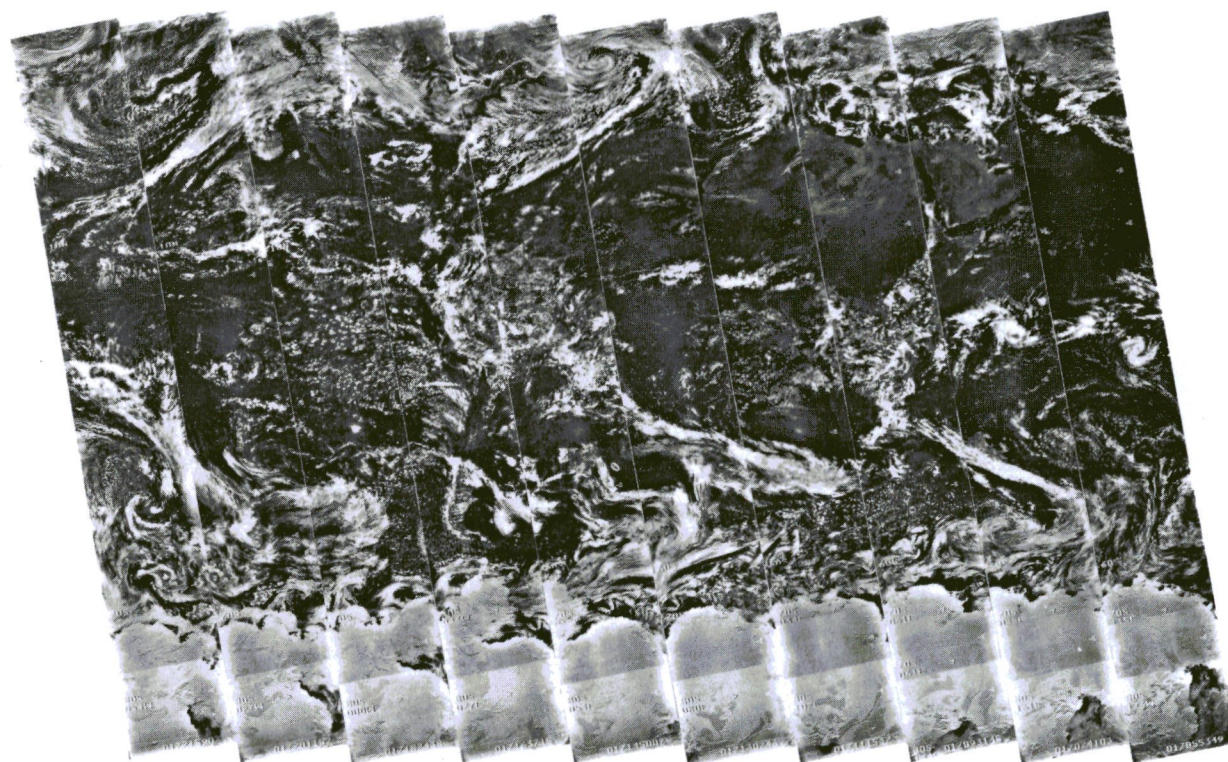
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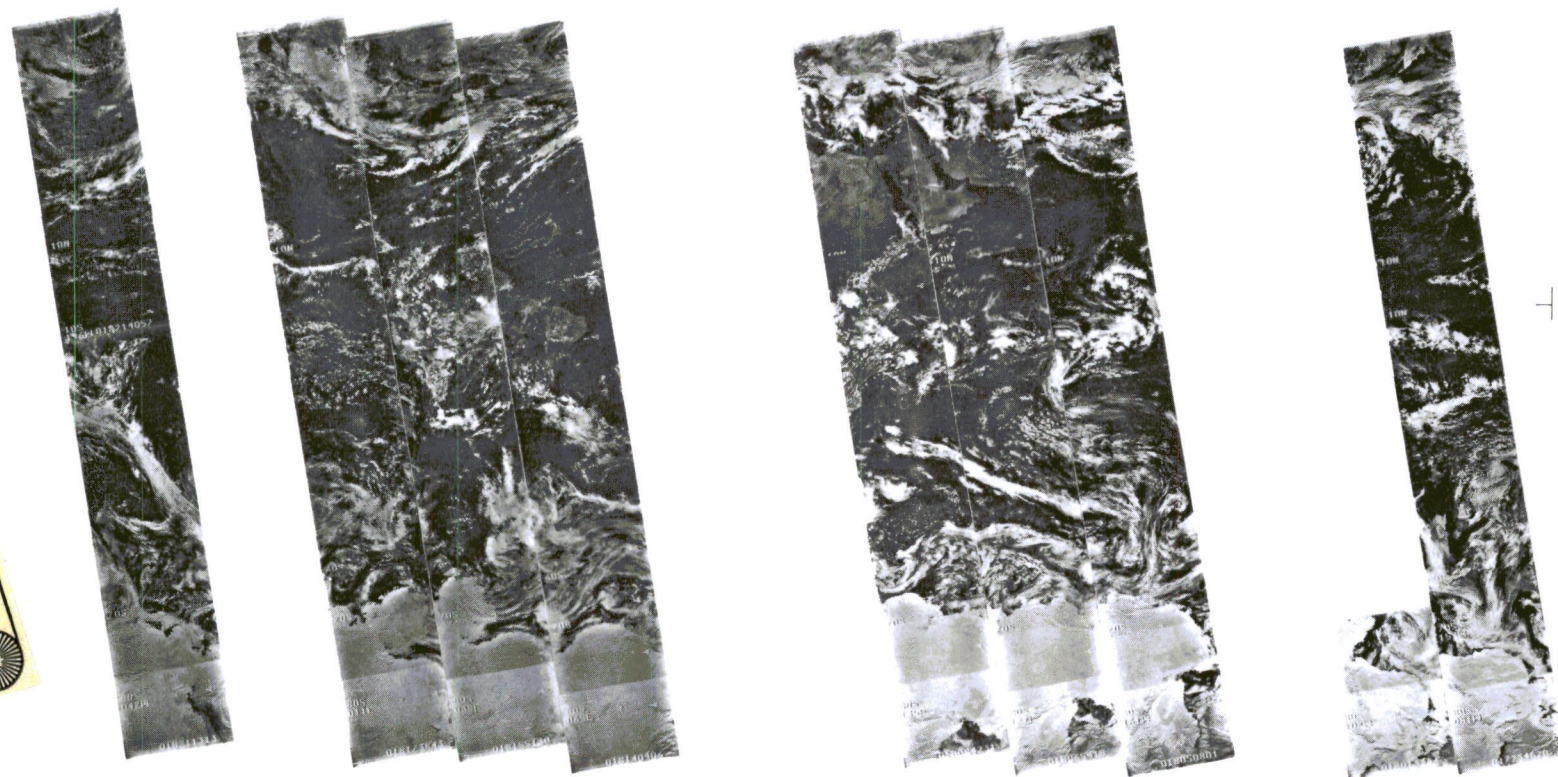


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17 JANUARY 1971

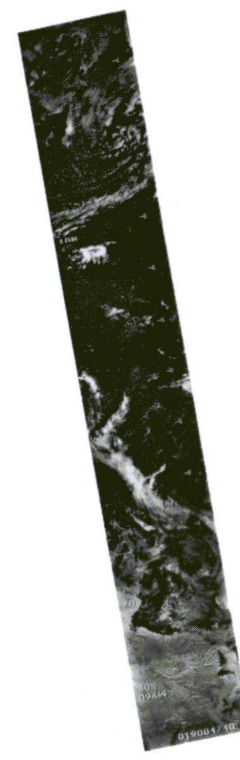
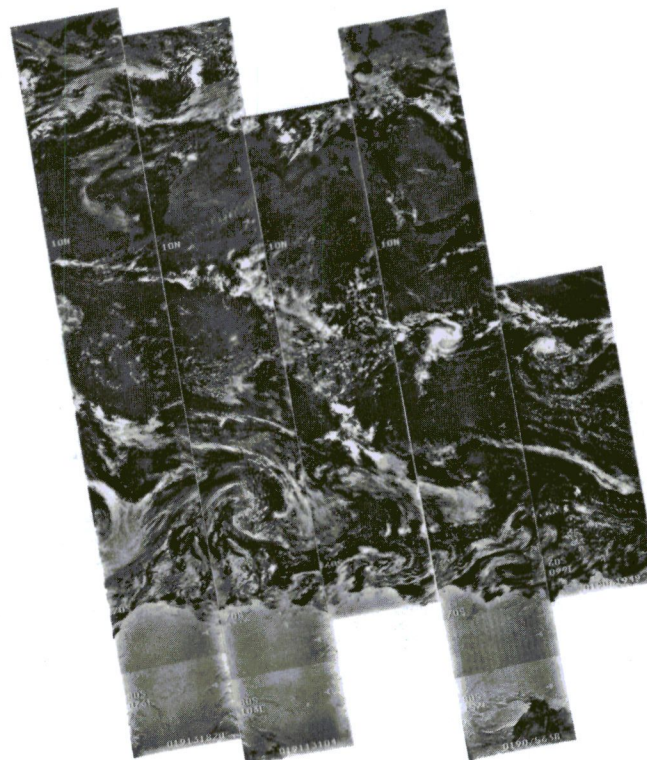
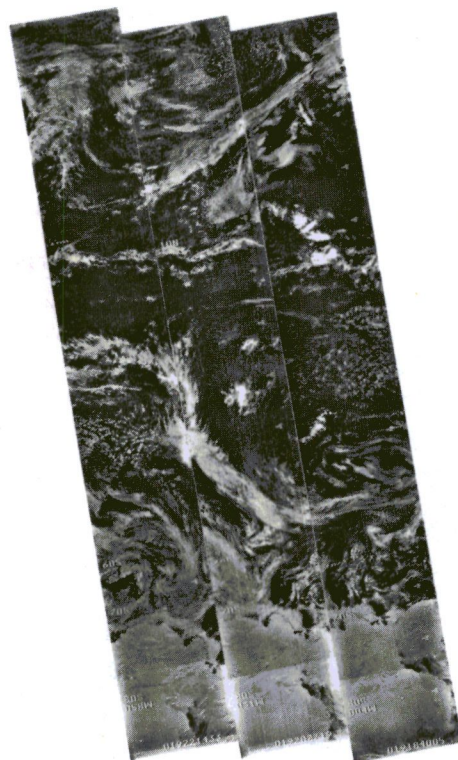
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3836 3835 3834 3833 3832 3831 3830 3829 3828 3827 3826 3825 3824 3823

18 JANUARY 1971



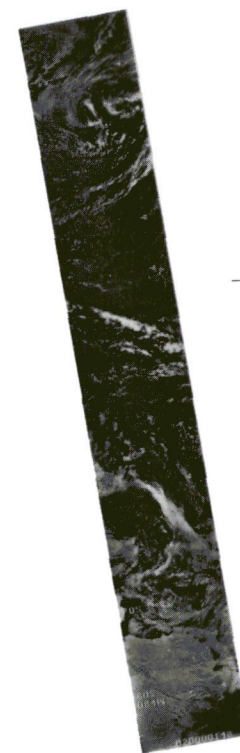
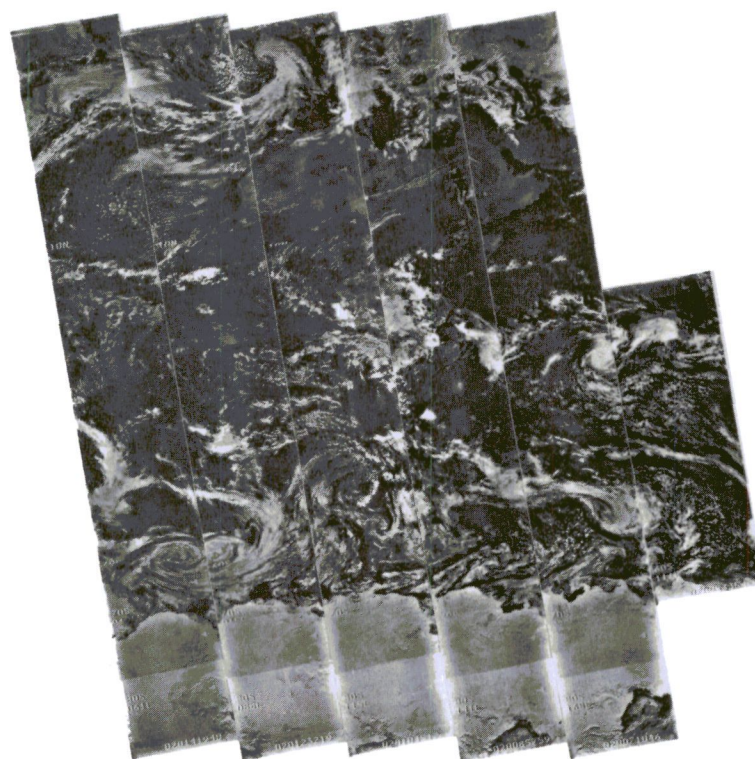


3849 3848 3847 3846 3845 3844 3843 3842 3841 3840 3839 3838 3837

19 JANUARY 1971

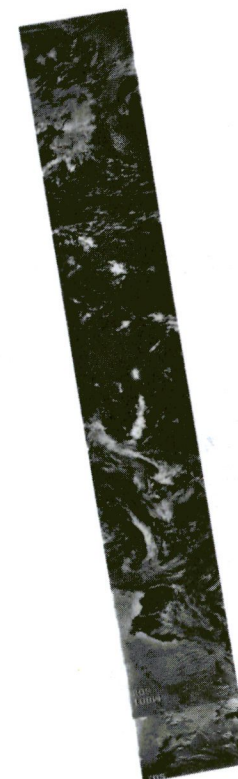
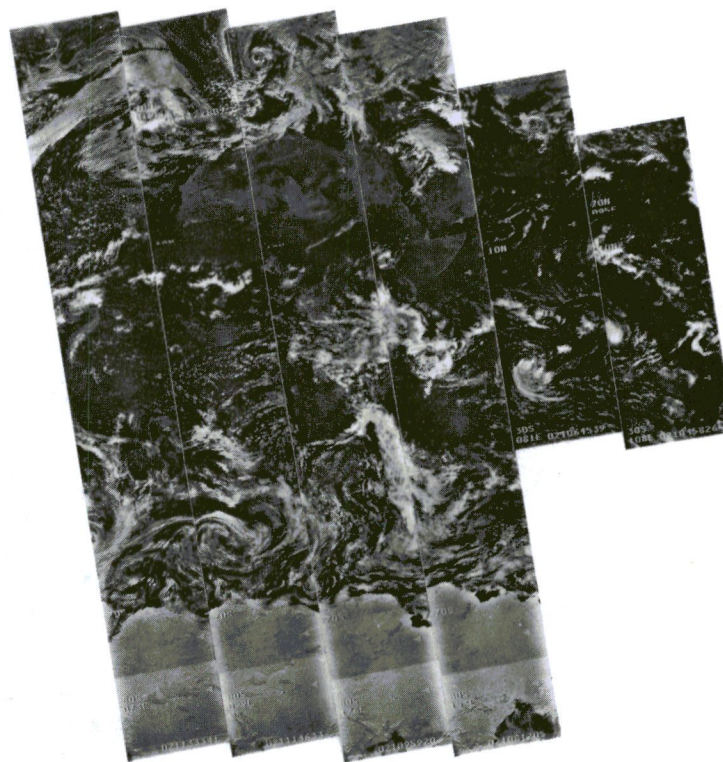
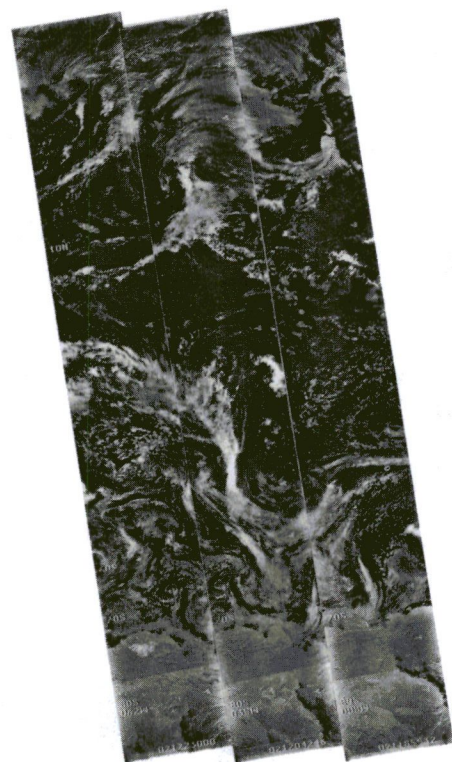


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3863 3862 3861 3860 3859 3858 3857 3856 3855 3854 3853 3852 3851 3850  
20 JANUARY 1971



3876 3875 3874 3873 3872 3871 3870 3869 3868 3867 3866 3865 3864

21 JANUARY 1971



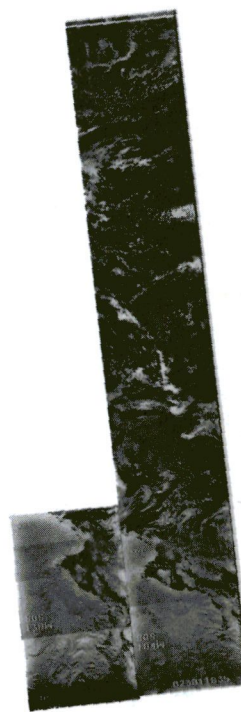
3-23



3889 3888 3887 3886 3885 3884 3883 3882 3881 3880 3879 3878 3877

22 JANUARY 1971





3903 3902 3901 3900 3899 3898 3897 3896 3895 3894 3893 3892 3891 3890  
23 JANUARY 1971

3-24

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3-25



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3916 3915 3914 3913 3912 3911 3910 3909 3908 3907 3906 3905 3904

24 JANUARY 1971

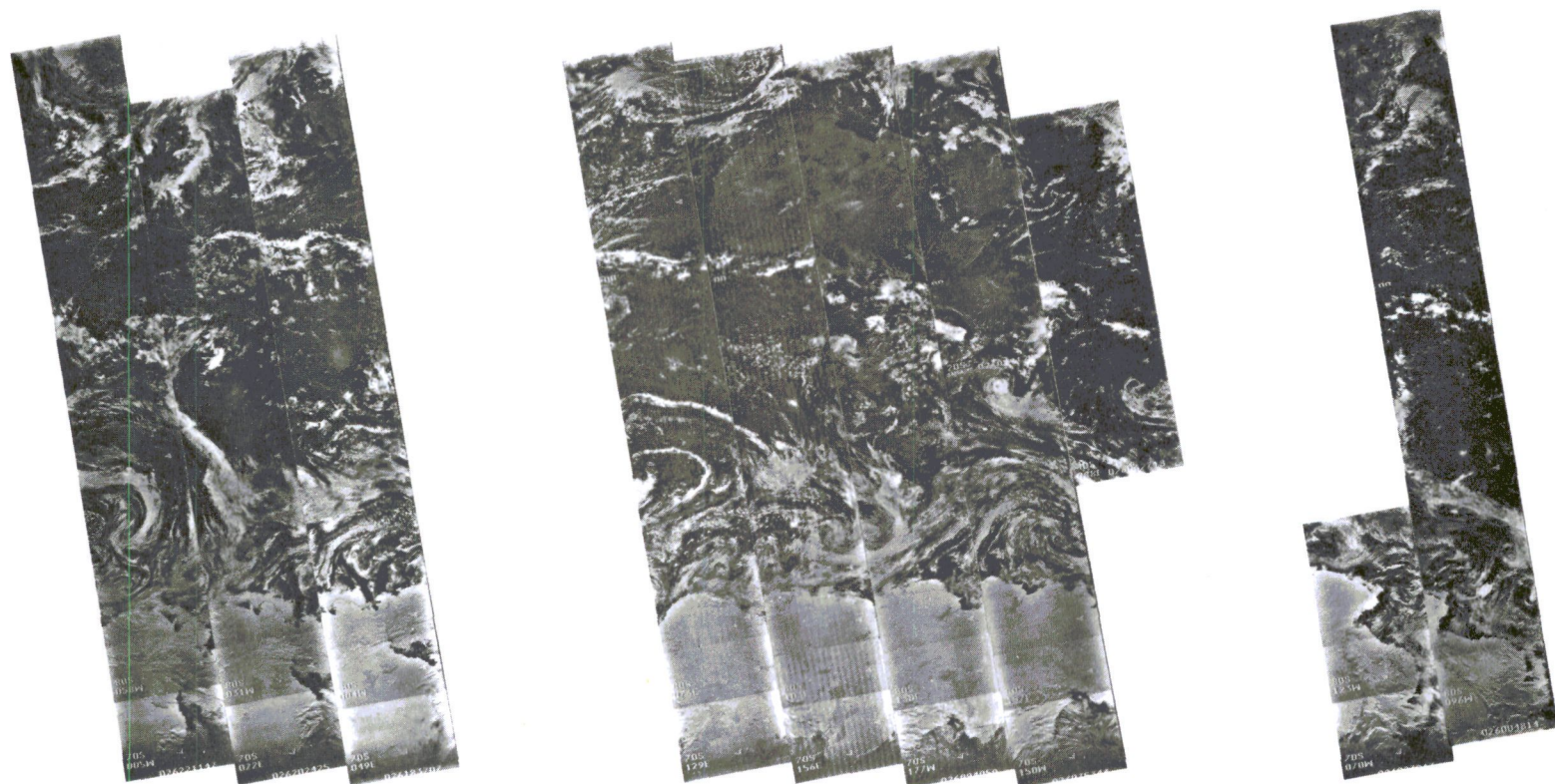




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25 JANUARY 1971



3-27

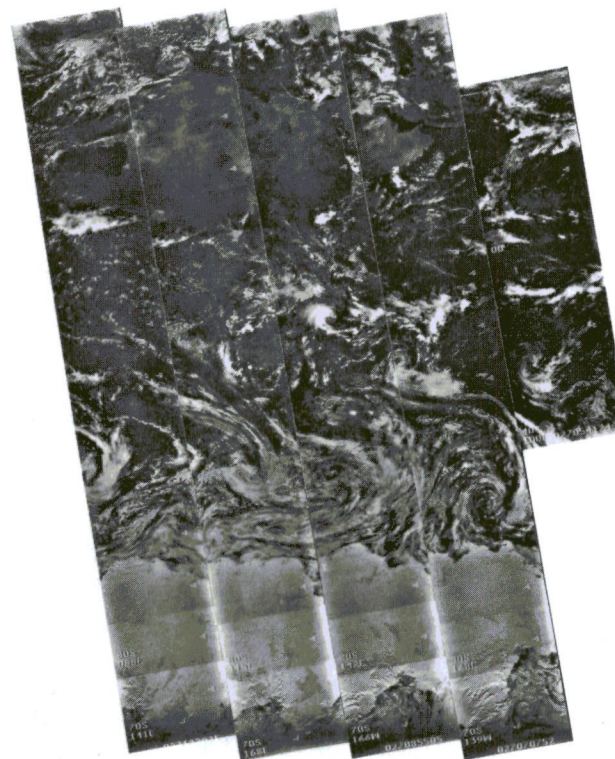


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26 JANUARY 1971

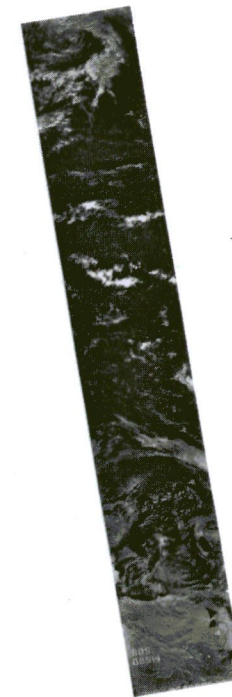


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3953 3952 3951 3950

3949 3948 3947

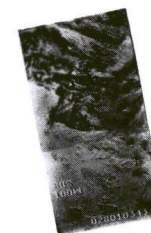
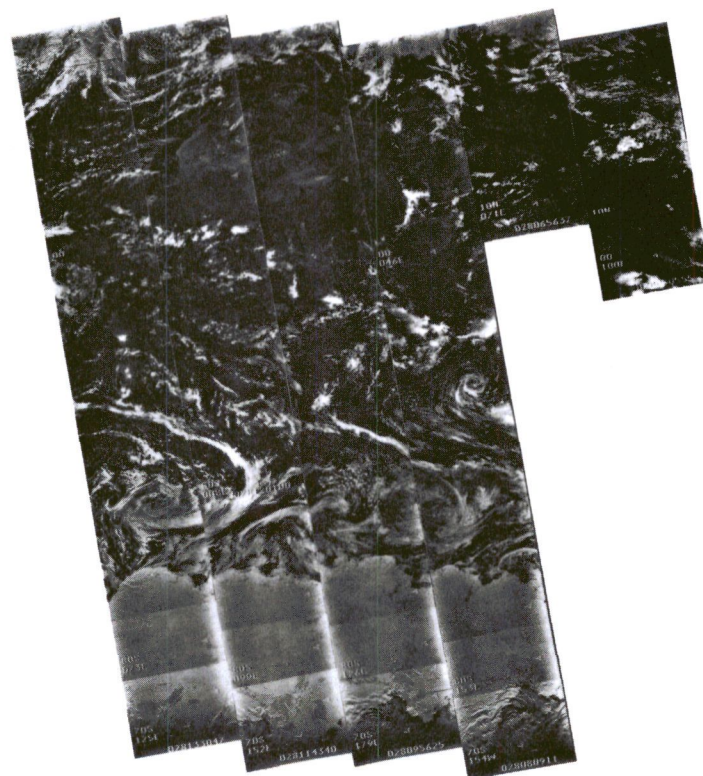
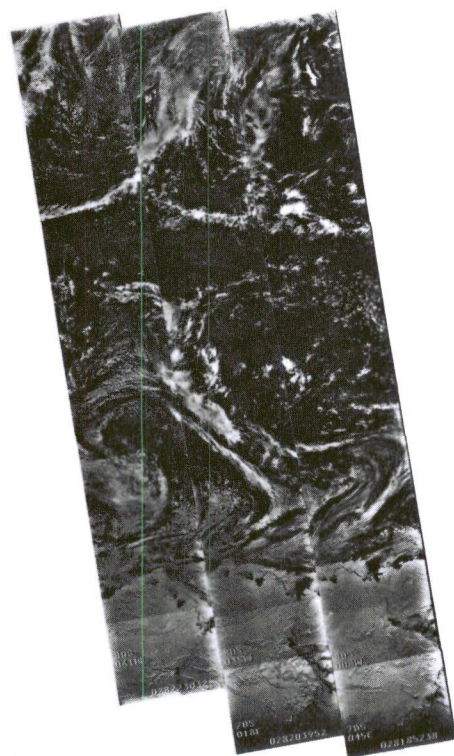


3946 3945 3944

27 JANUARY 1971



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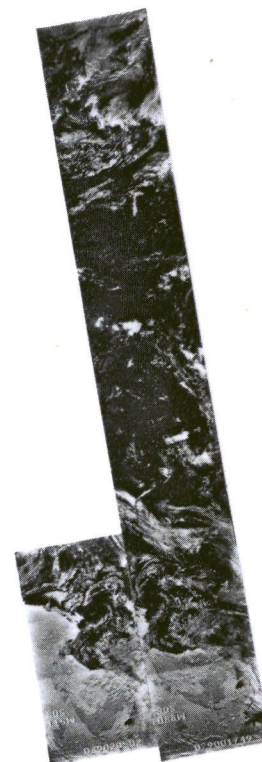
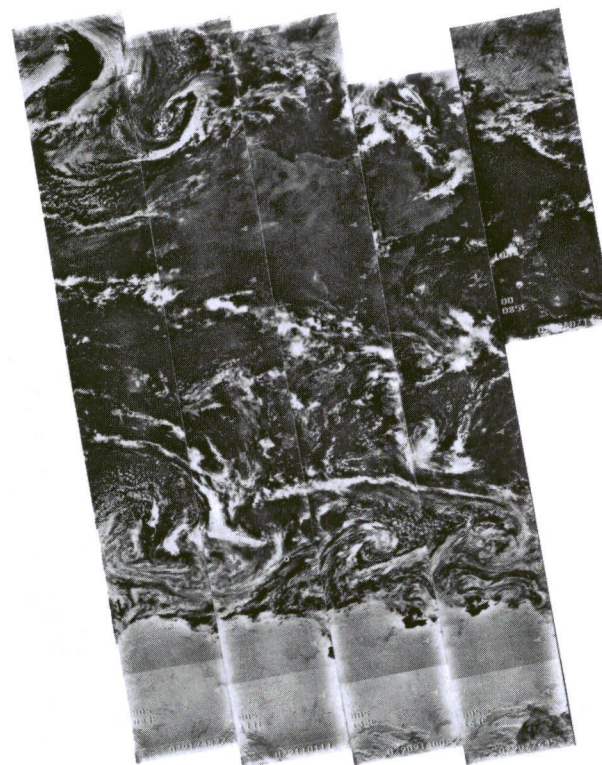


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28 JANUARY 1971



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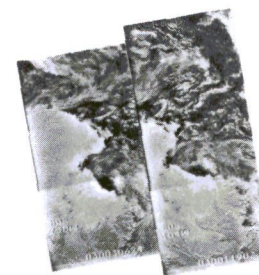
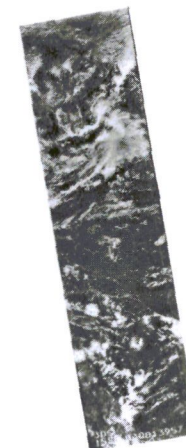
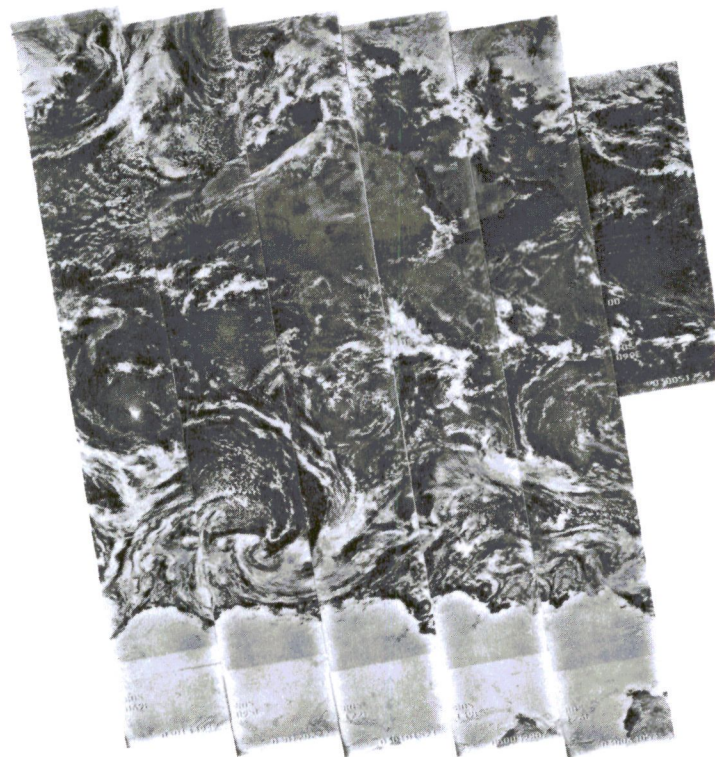


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29 JANUARY 1971

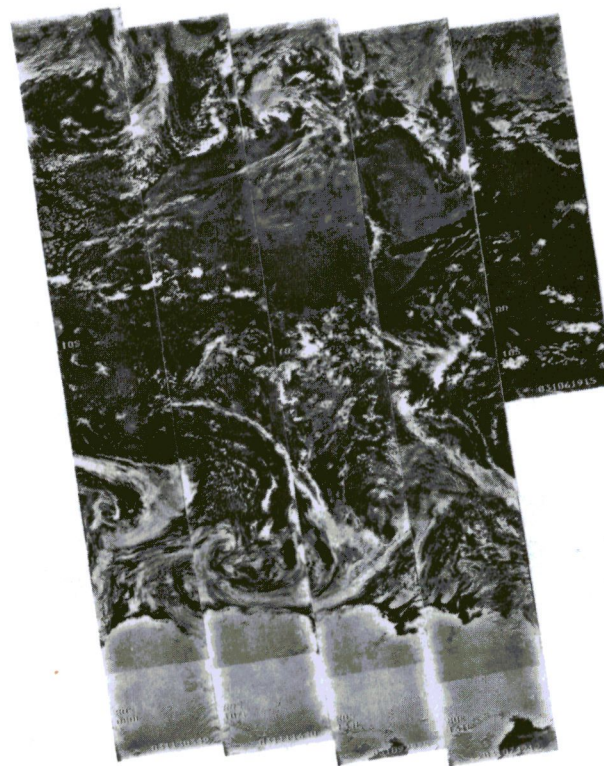
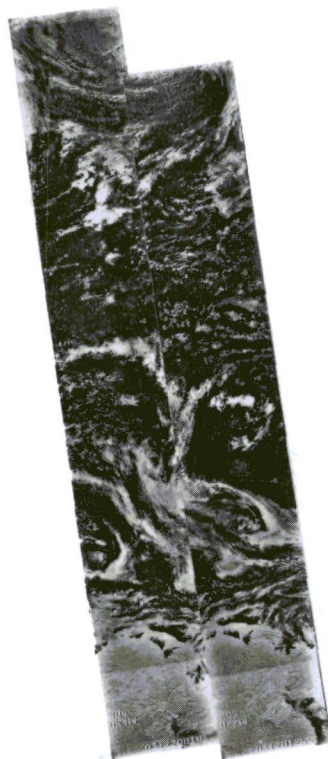
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30 JANUARY 1971



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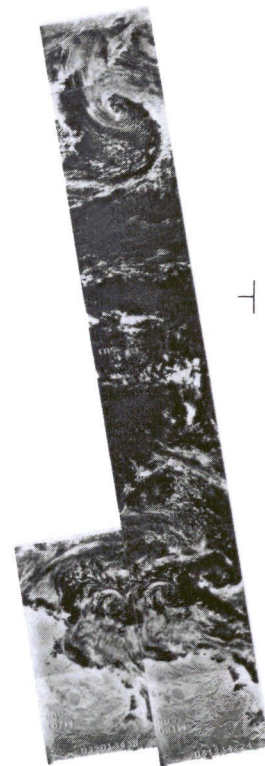
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4010 4009 4008 4007 4006 4005 4004 4003 4002 4001 4000 3999 3998  
31 JANUARY 1971



3-33

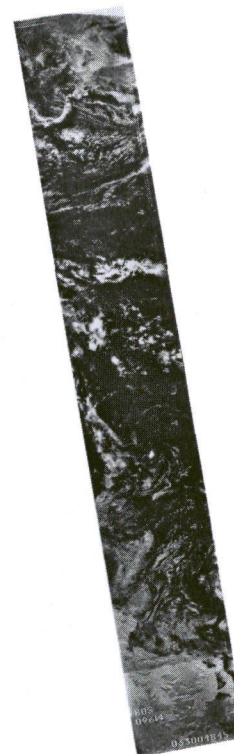
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1 FEBRUARY 1971

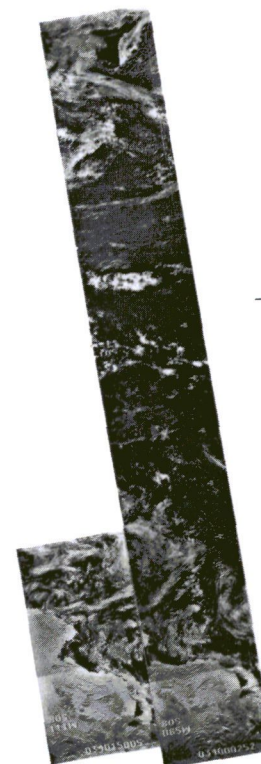
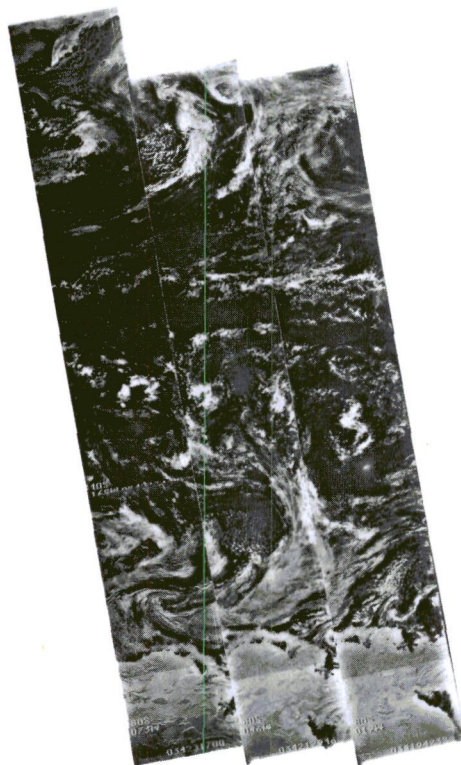


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2 FEBRUARY 1971



3-35



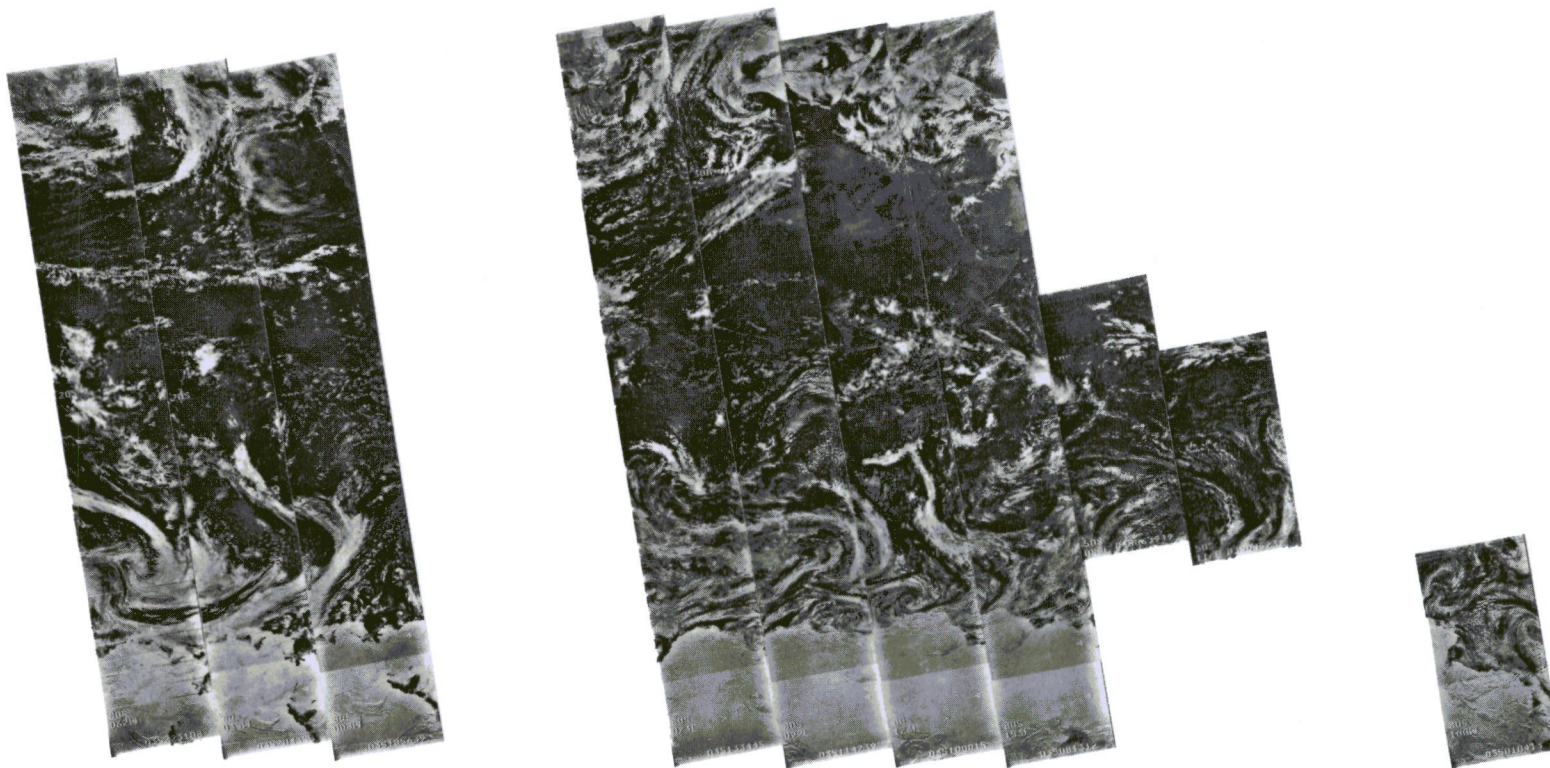
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3 FEBRUARY 1971



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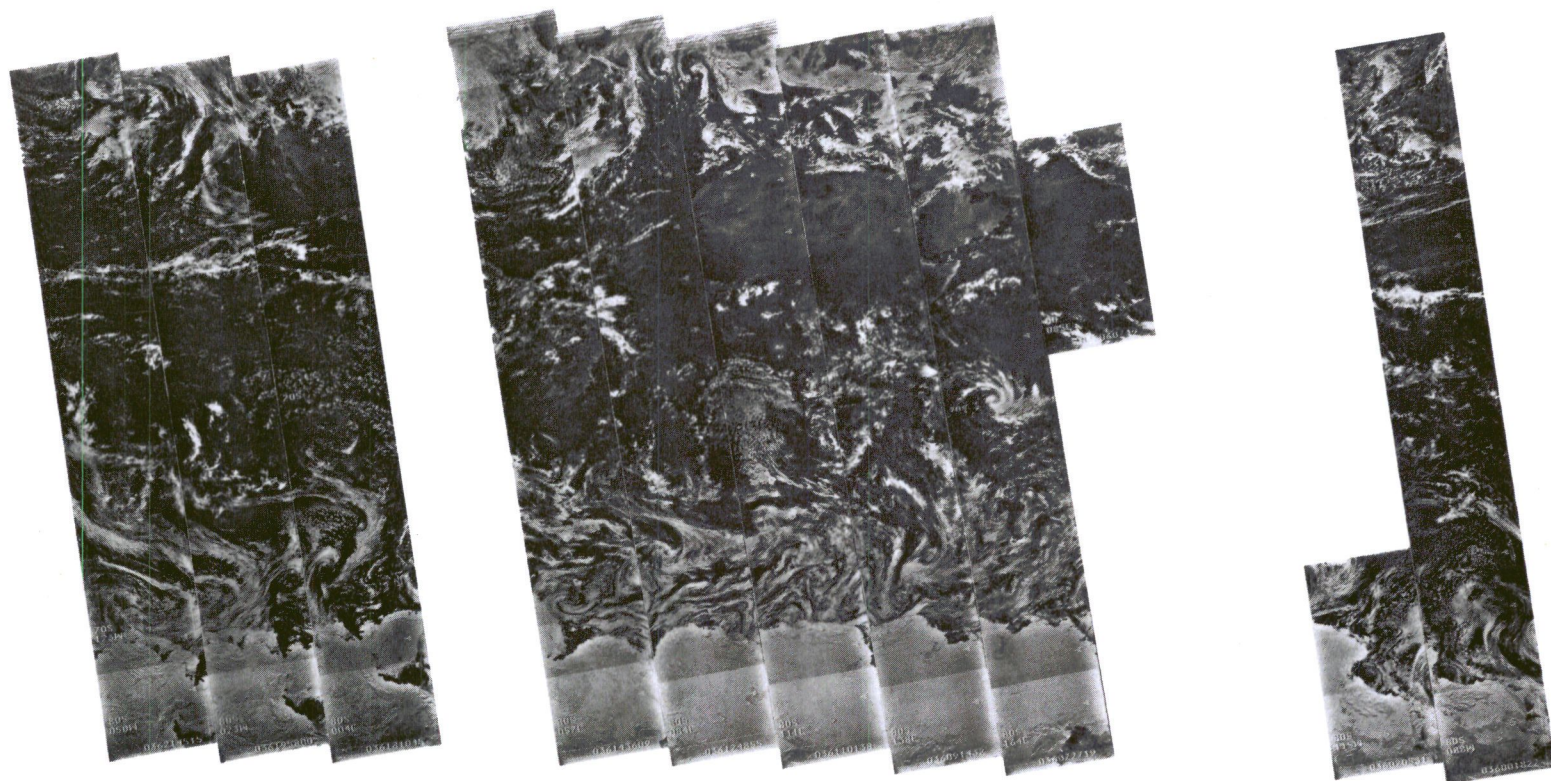
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4064 4063 4062 4061 4060 4059 4058 4057 4056 4055 4054 4053 4052

4 FEBRUARY 1971

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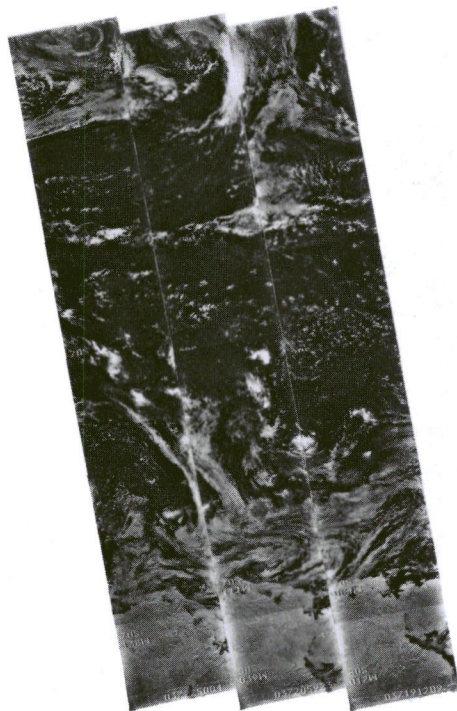
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4077 4076 4075 4074 4073 4072 4071 4070 4069 4068 4067 4066 4065

5 FEBRUARY 1971



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4091

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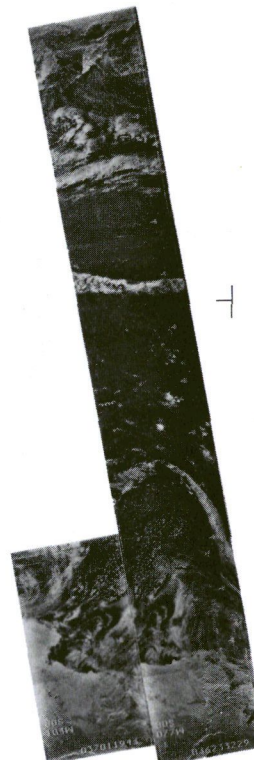
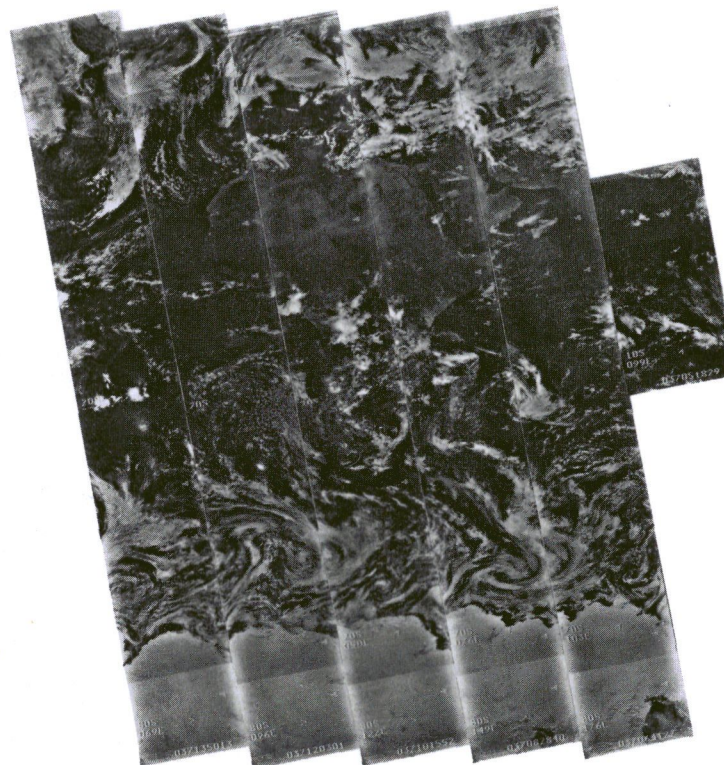
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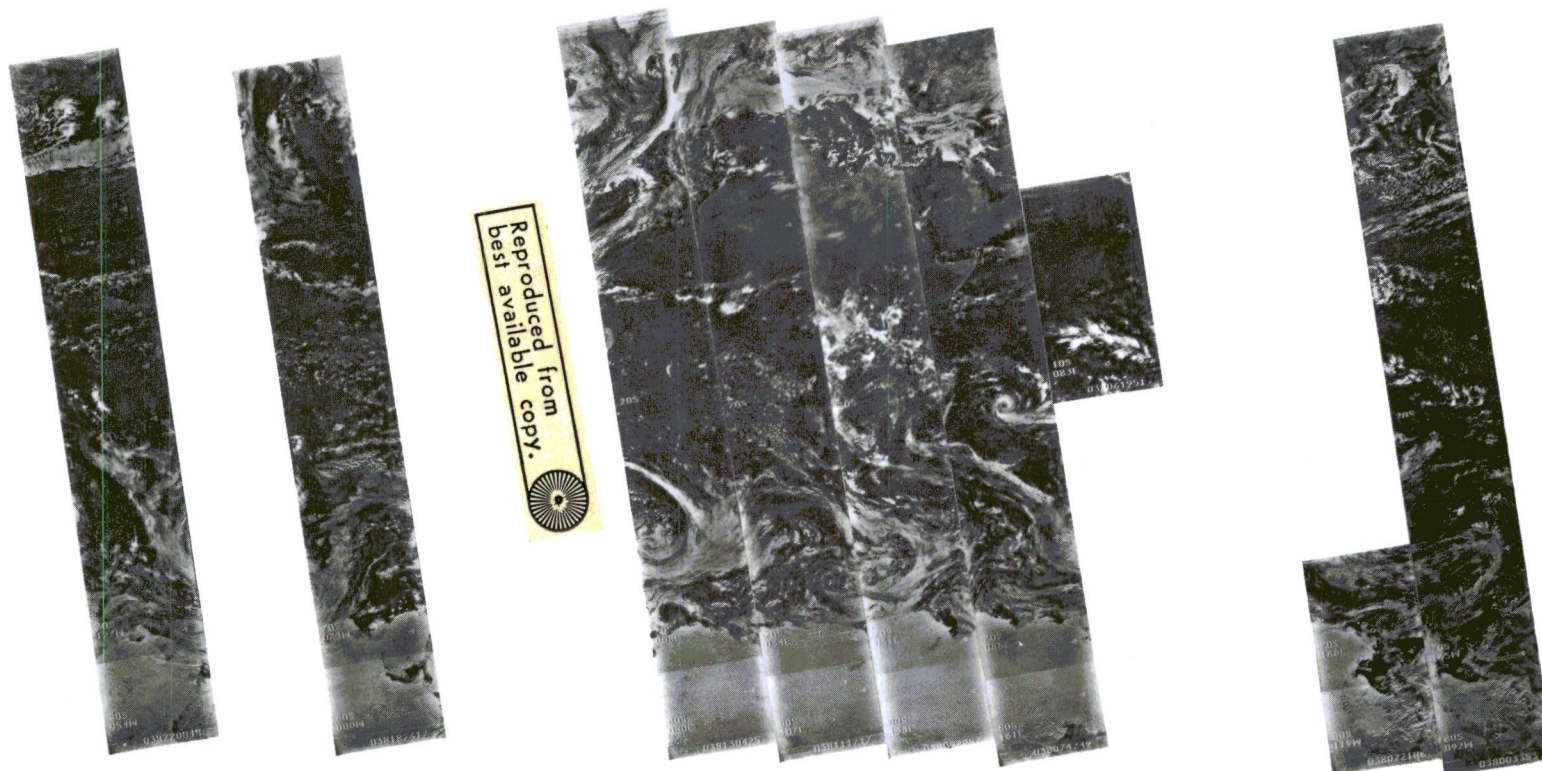
6 FEBRUARY 1971



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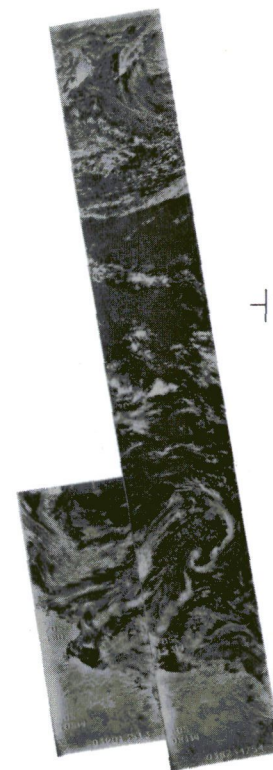
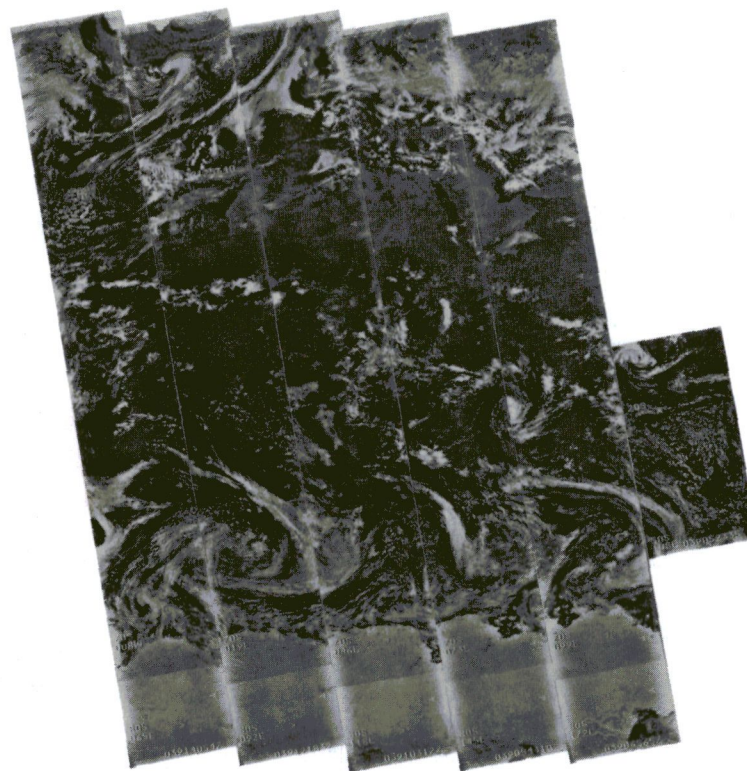
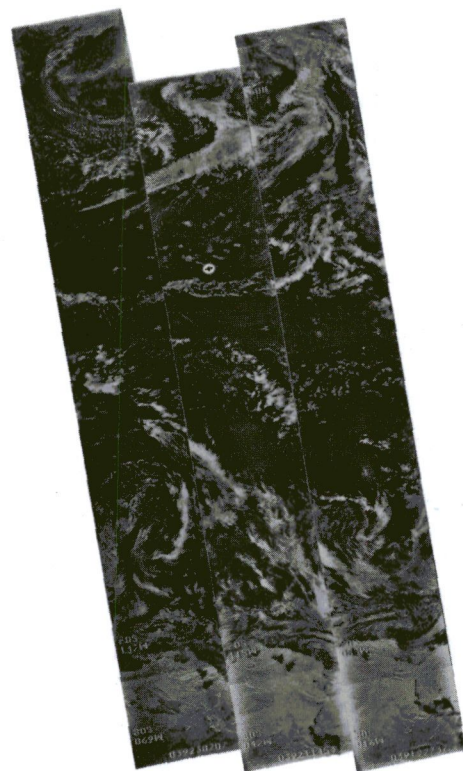


4104 4103 4102 4101 4100 4099 4098 4097 4096 4095 4094 4093 4092  
7 FEBRUARY 1971

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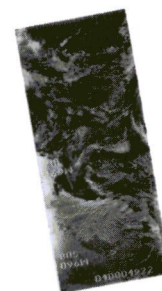
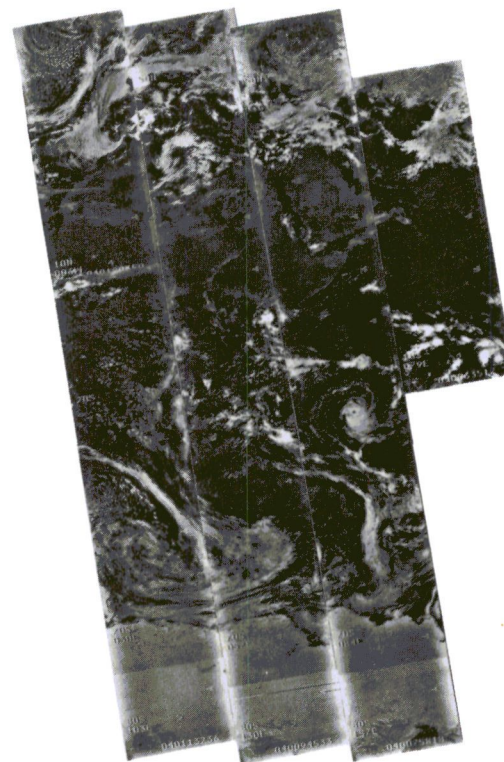


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8 FEBRUARY 1971

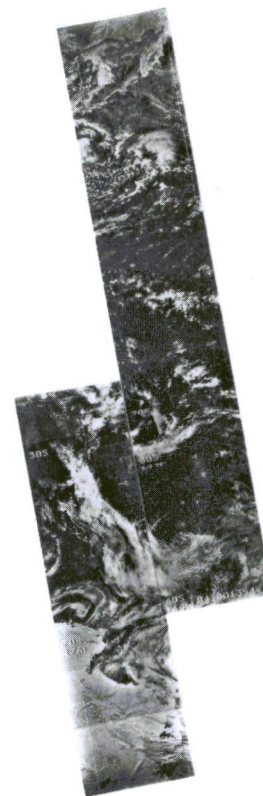
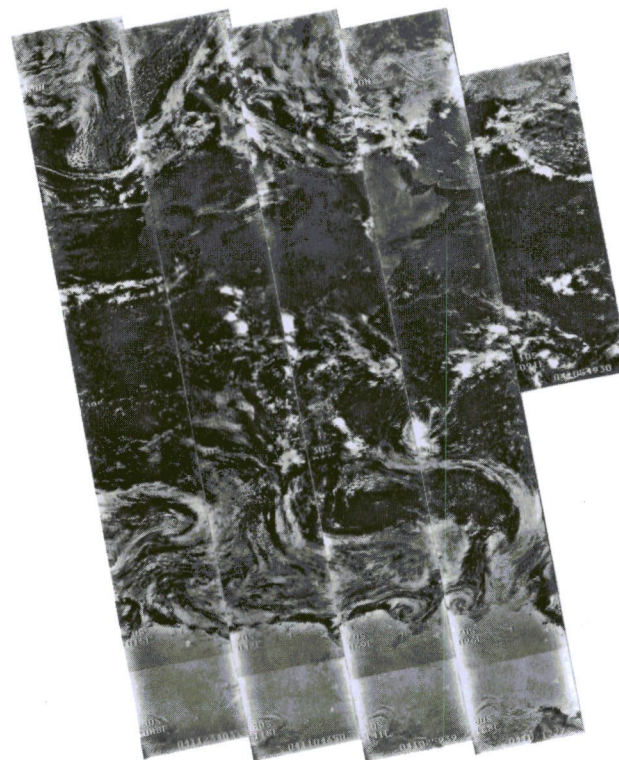
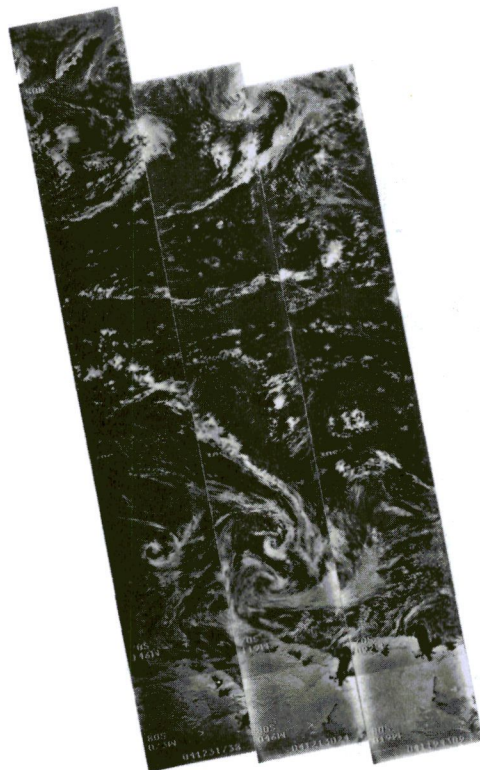




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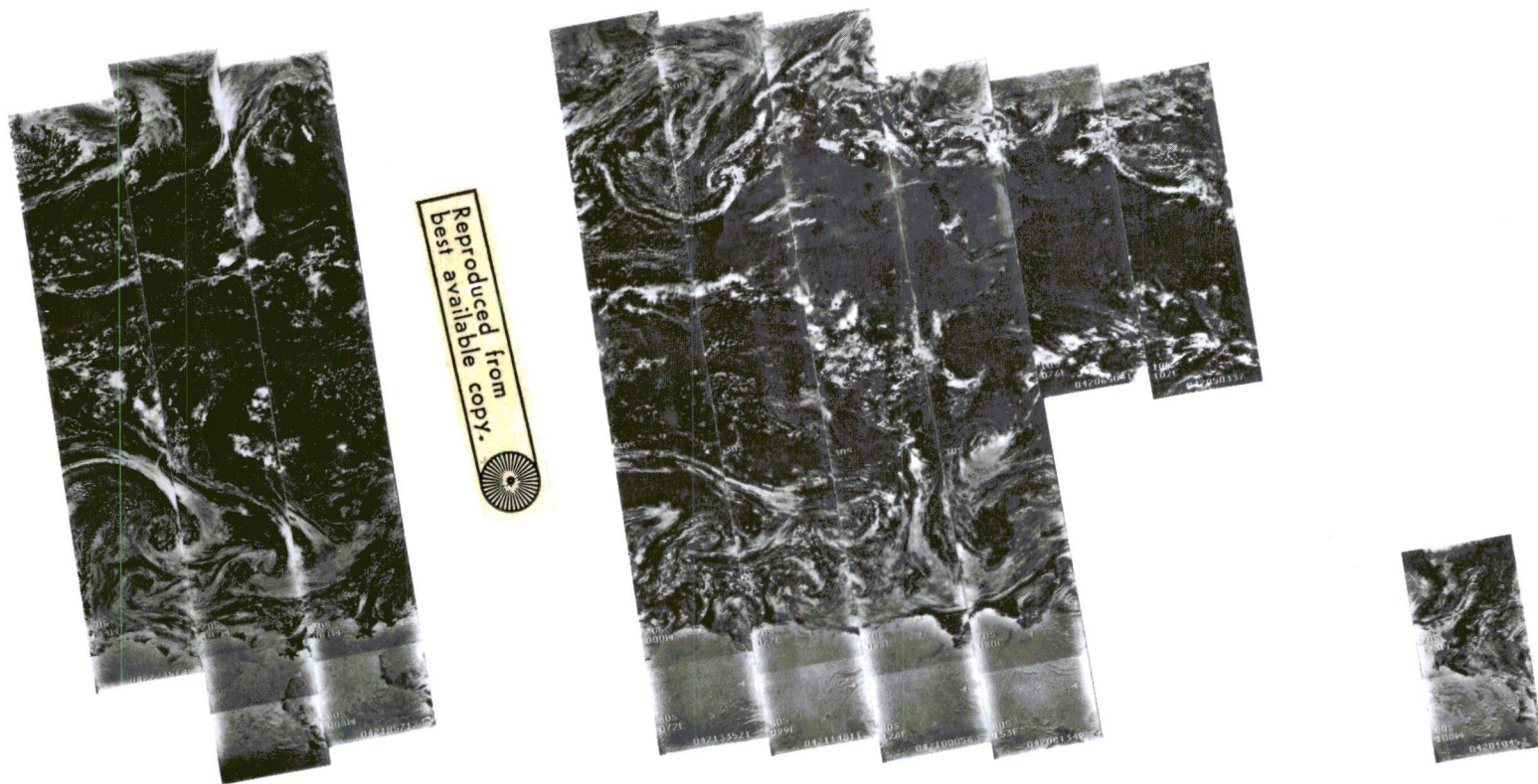
9 FEBRUARY 1971





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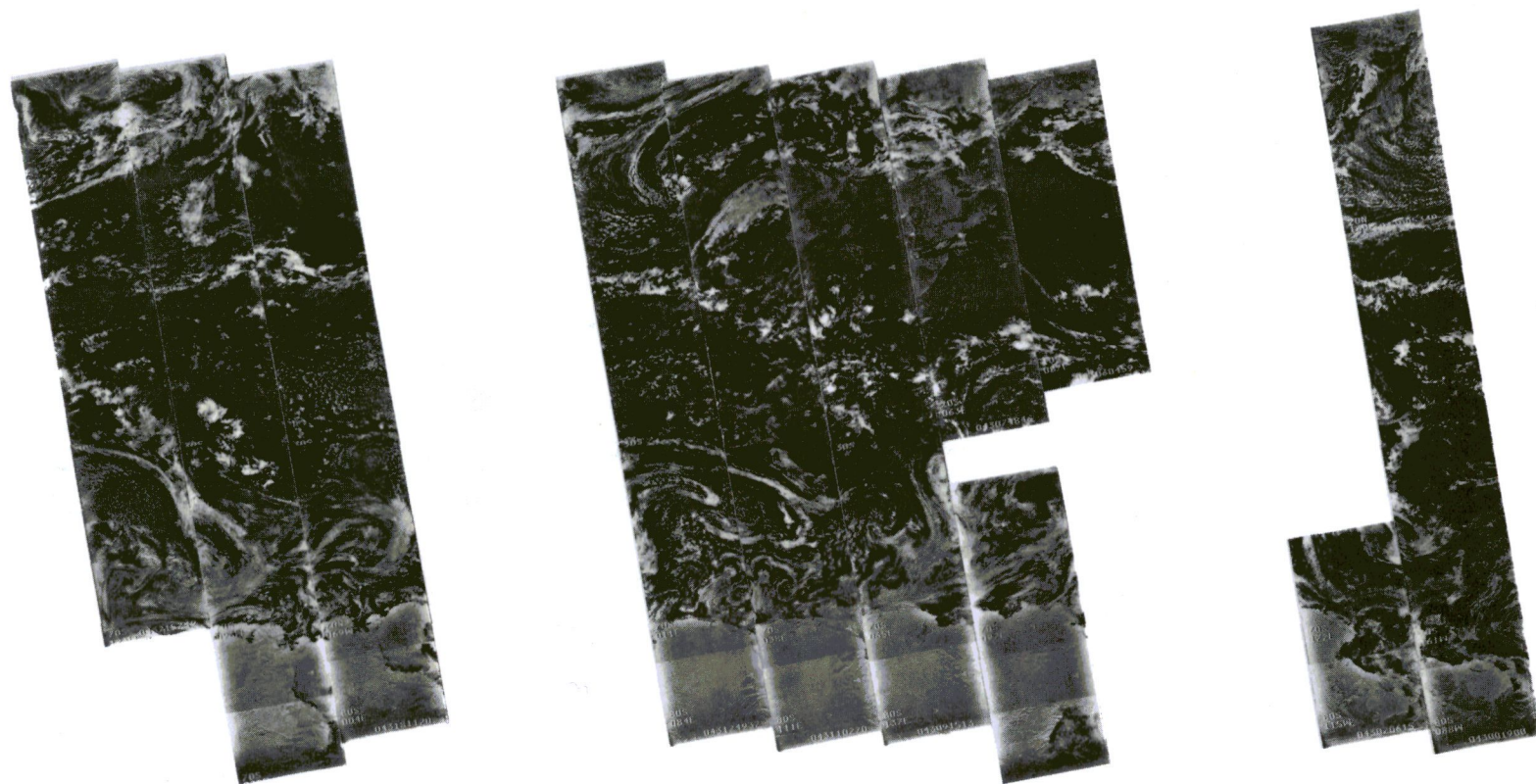
10 FEBRUARY 1971



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11 FEBRUARY 1971



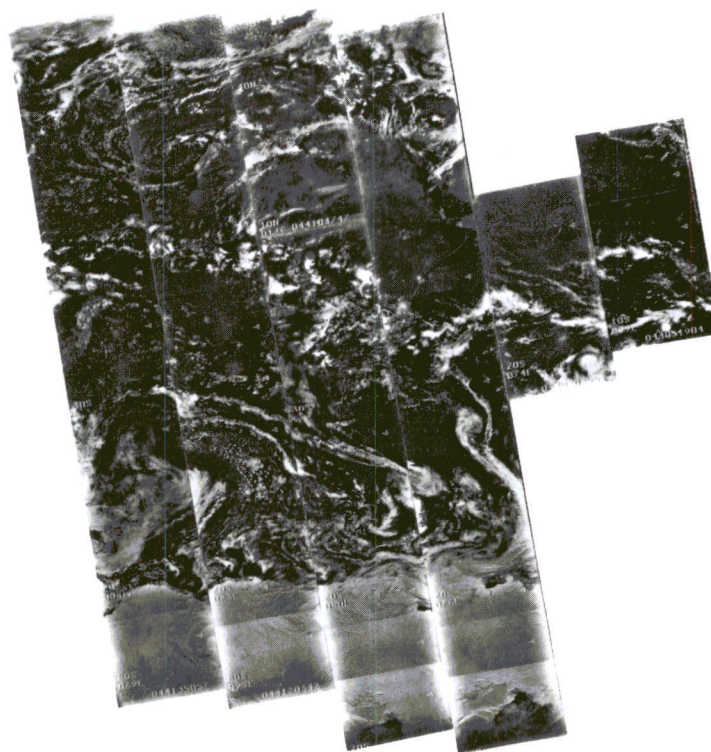


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12 FEBRUARY 1971



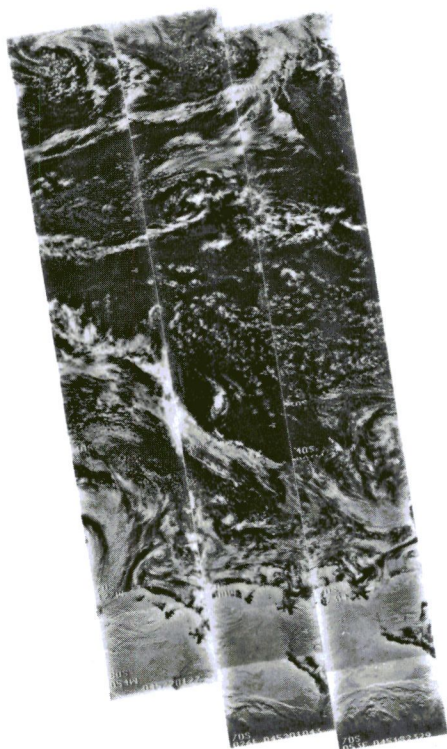
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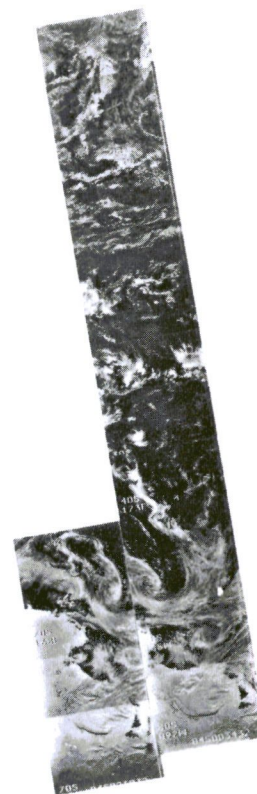
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13 FEBRUARY 1971

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4198 4197 4196 4195 4194 4193 4192 4191 4190 4189 4188 4187 4186

14 FEBRUARY 1971

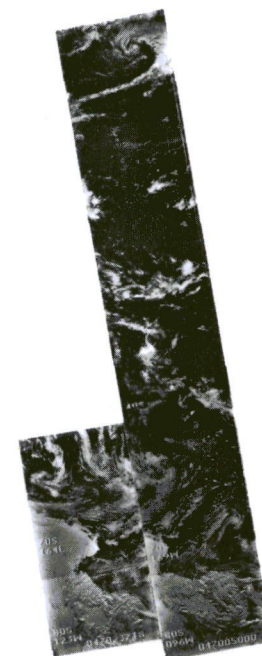
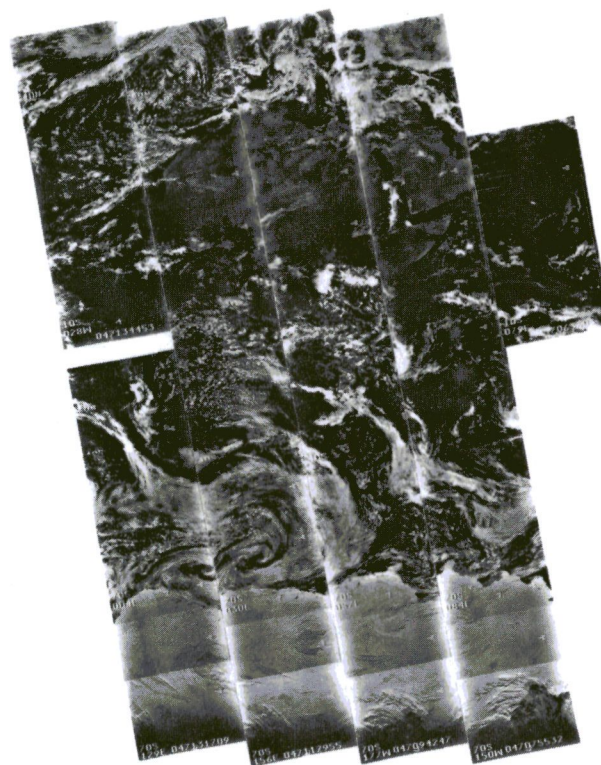
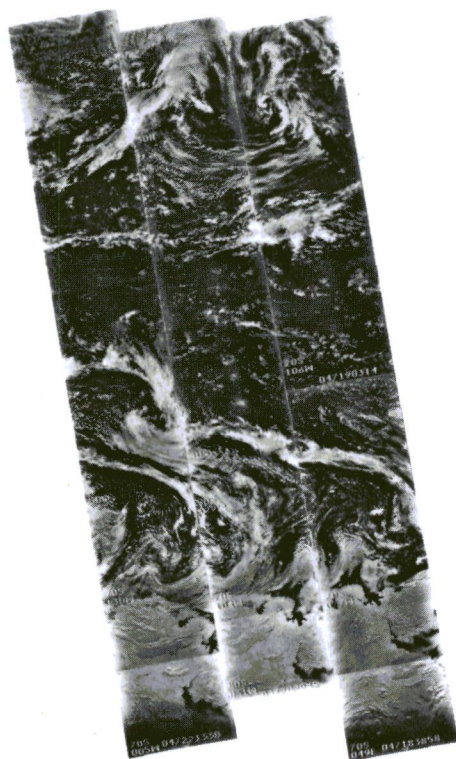




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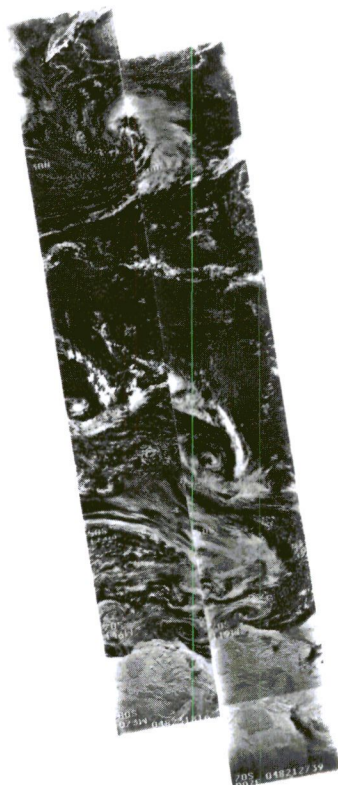
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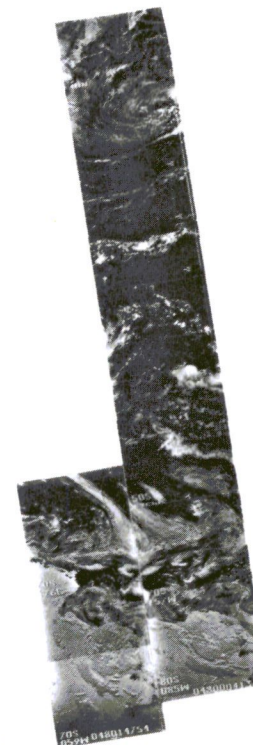
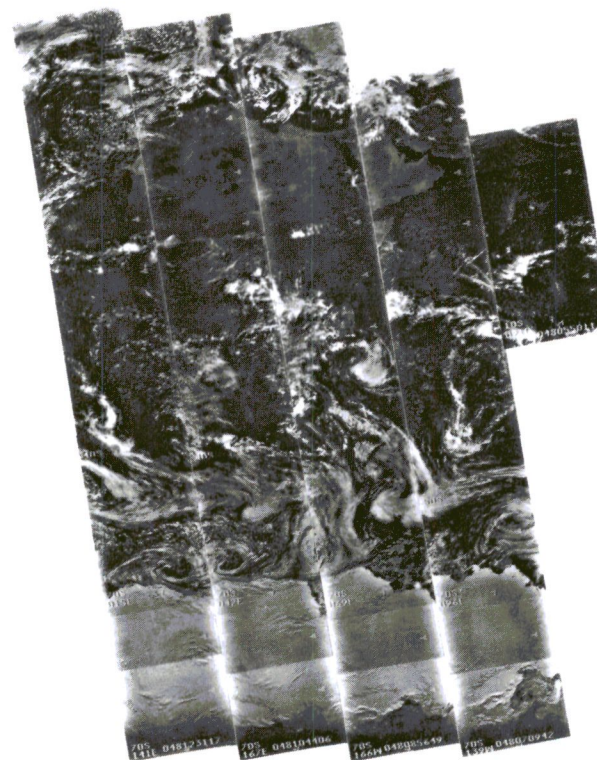


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16 FEBRUARY 1971



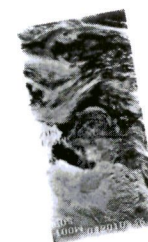
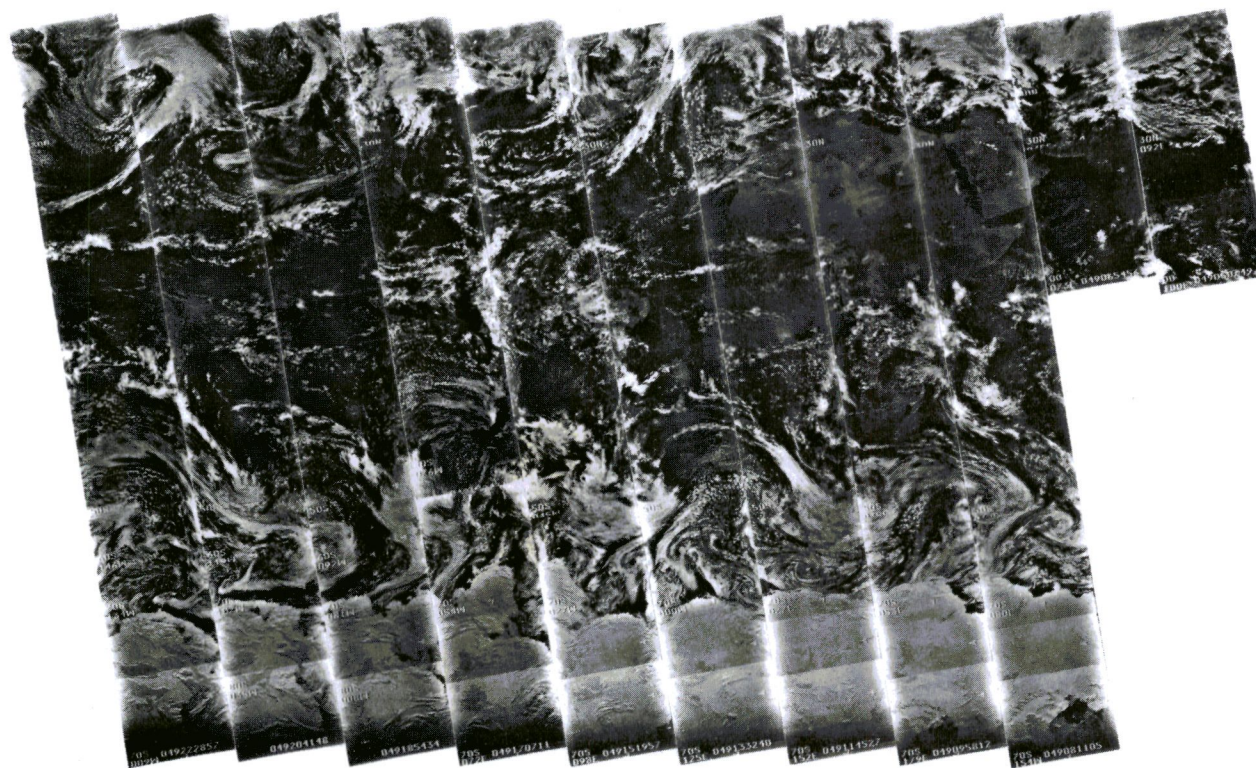
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17 FEBRUARY 1971



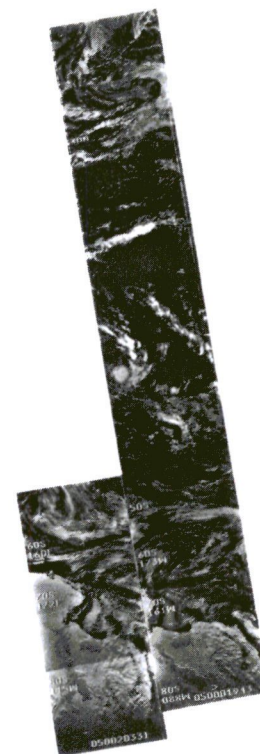
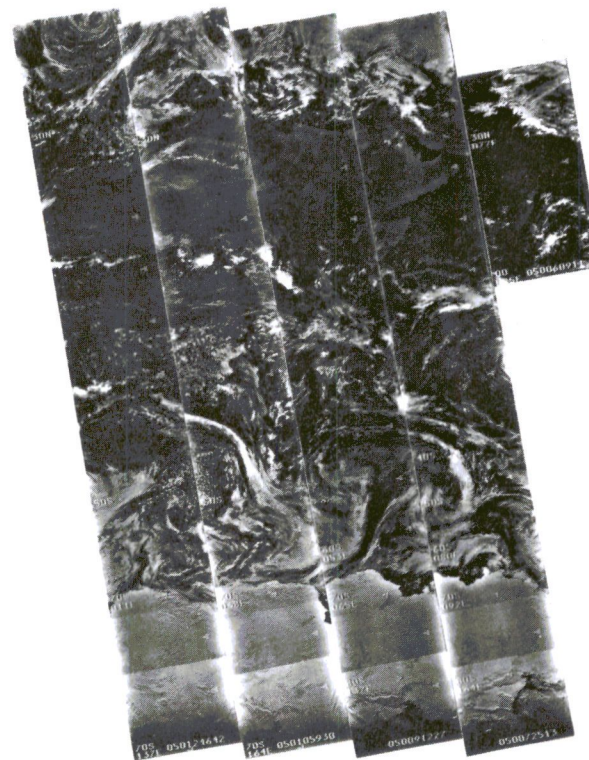
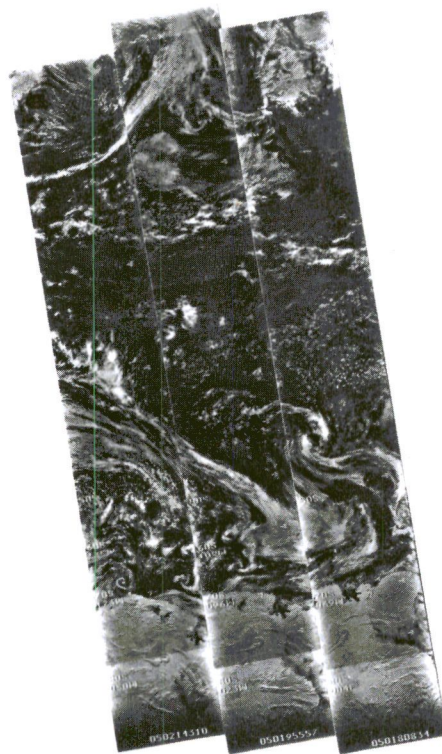
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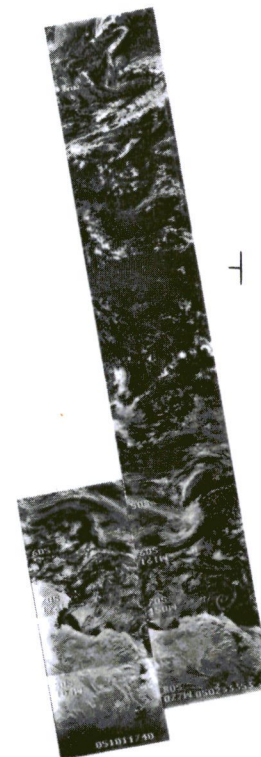
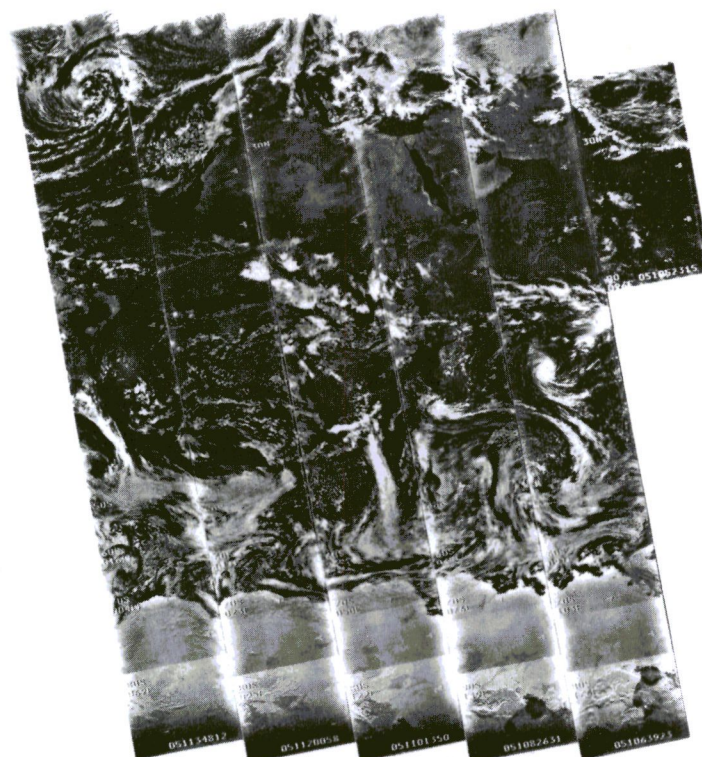
18 FEBRUARY 1971





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19 FEBRUARY 1971

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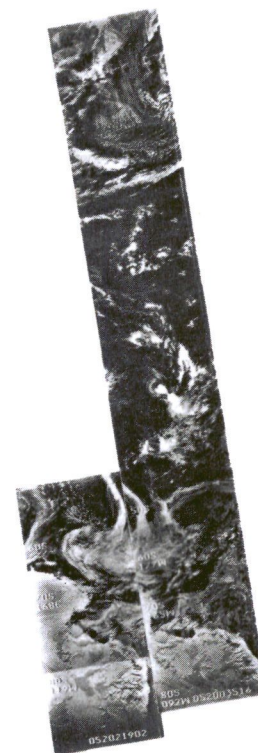


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20 FEBRUARY 1971



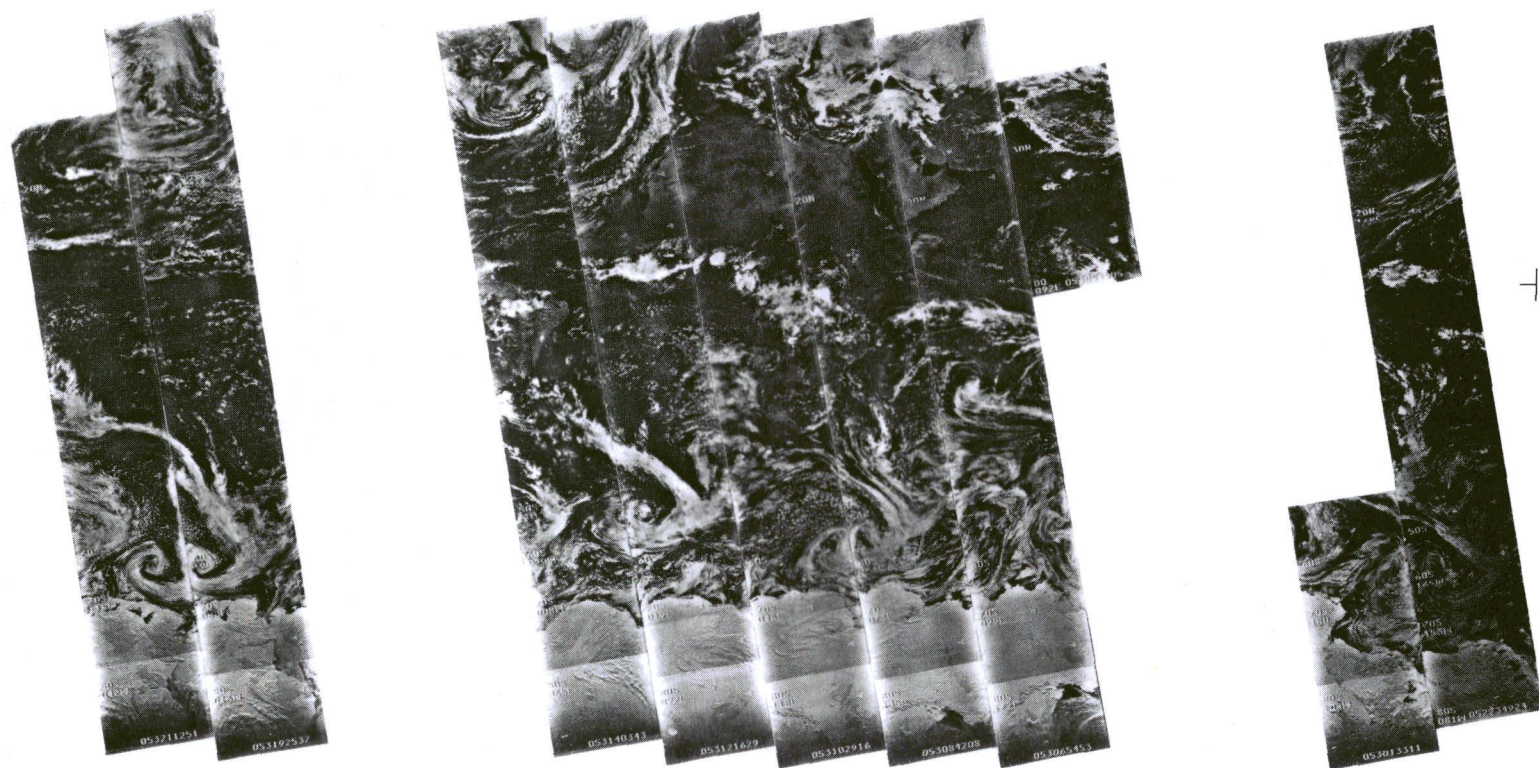


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21 FEBRUARY 1971



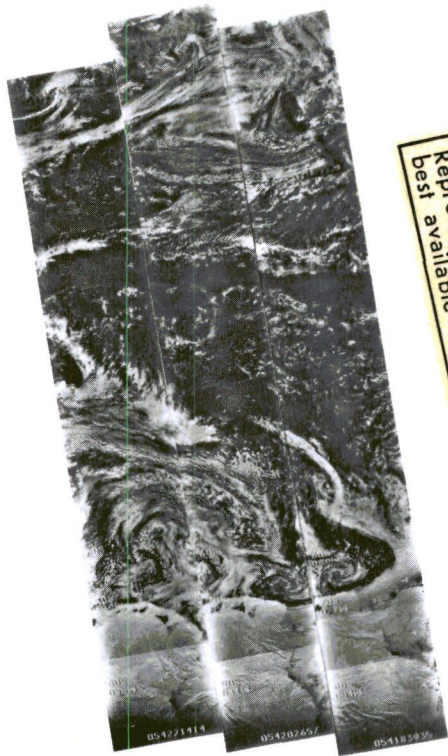
3-54



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22 FEBRUARY 1971

T



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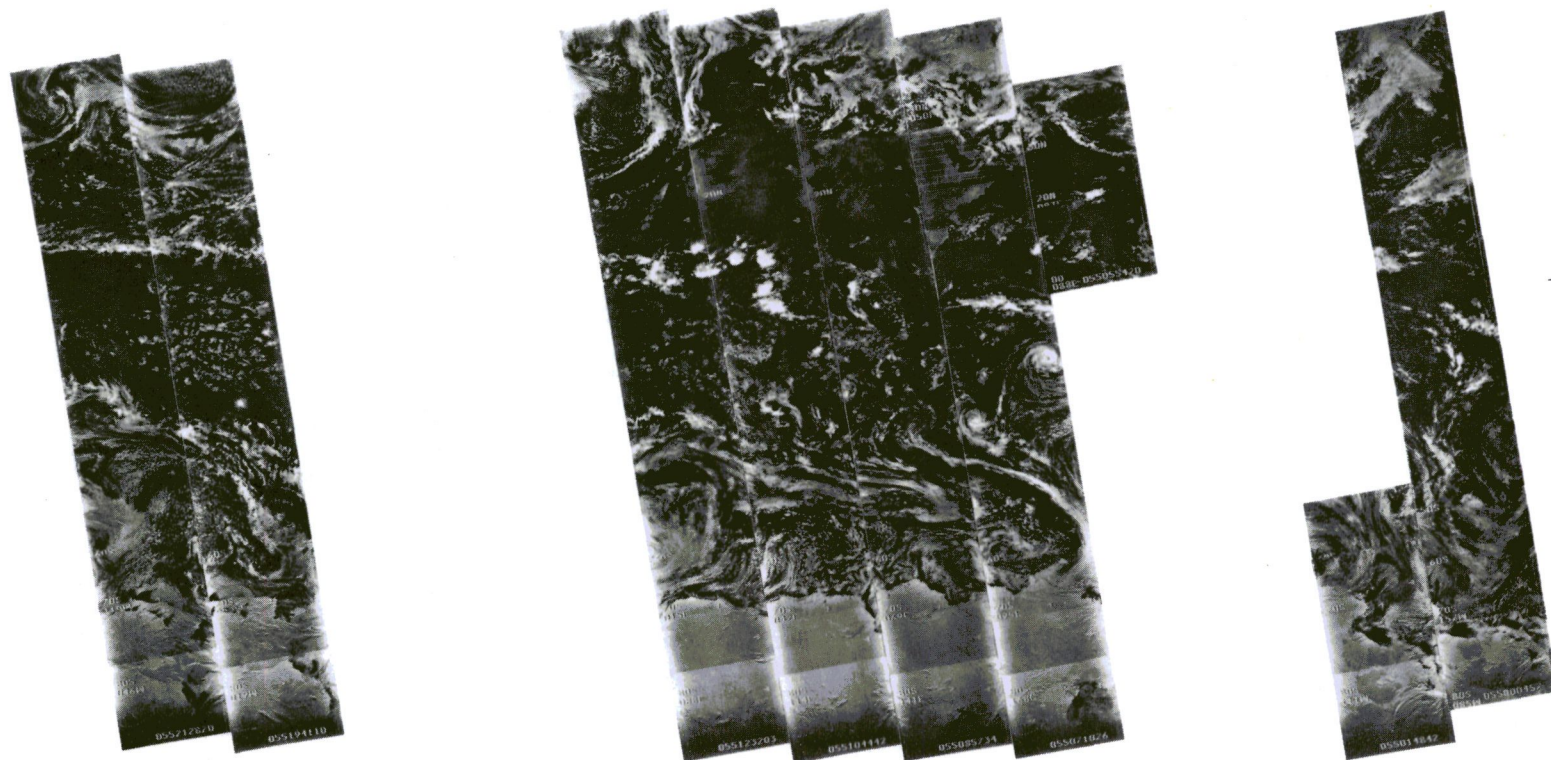


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23 FEBRUARY 1971





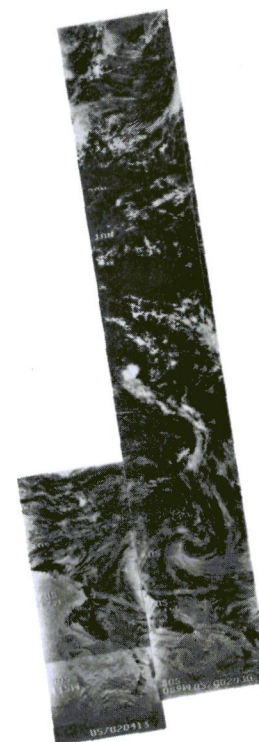
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24 FEBRUARY 1971



4346 4345 4344 4343 4342 4341 4340 4339 4338 4337 4336 4335 4334

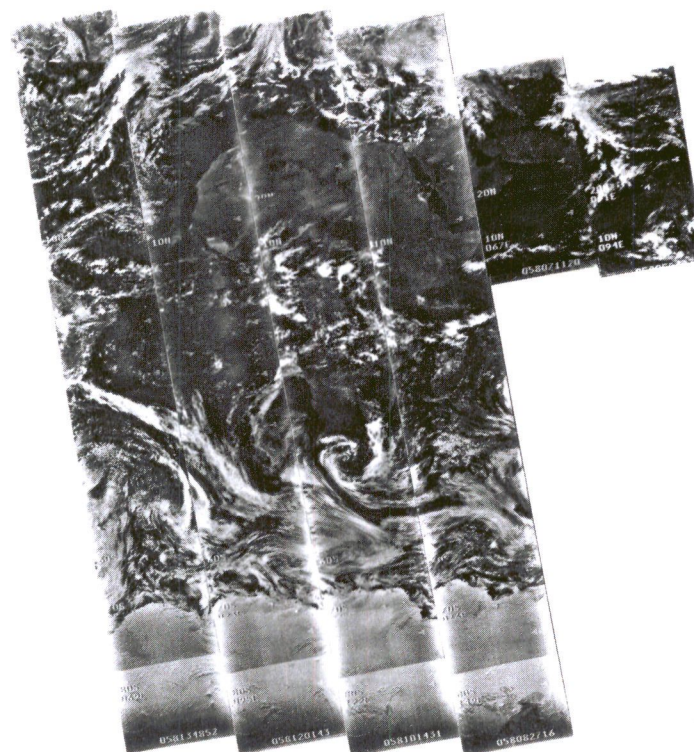
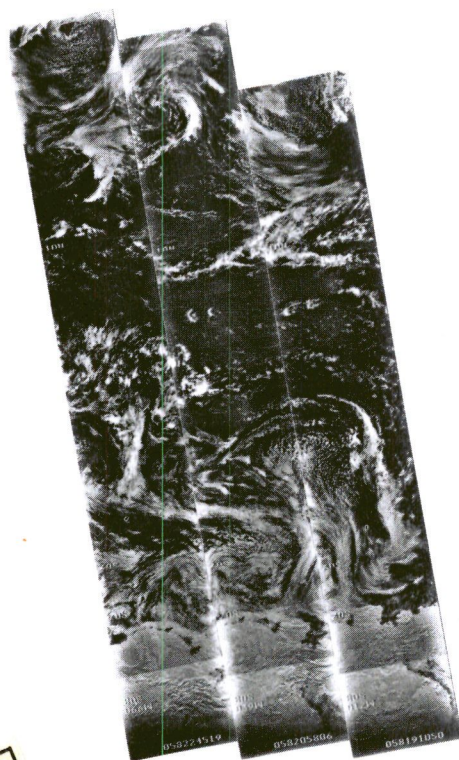
25 FEBRUARY 1971





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26 FEBRUARY 1971

3-59



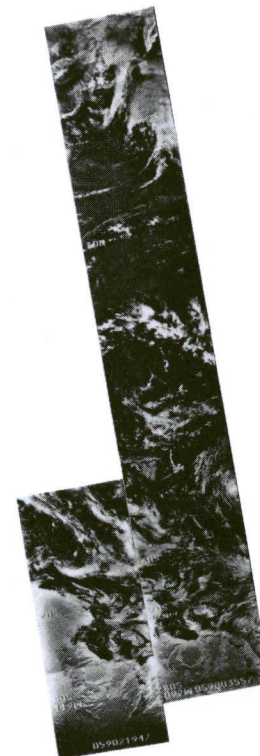
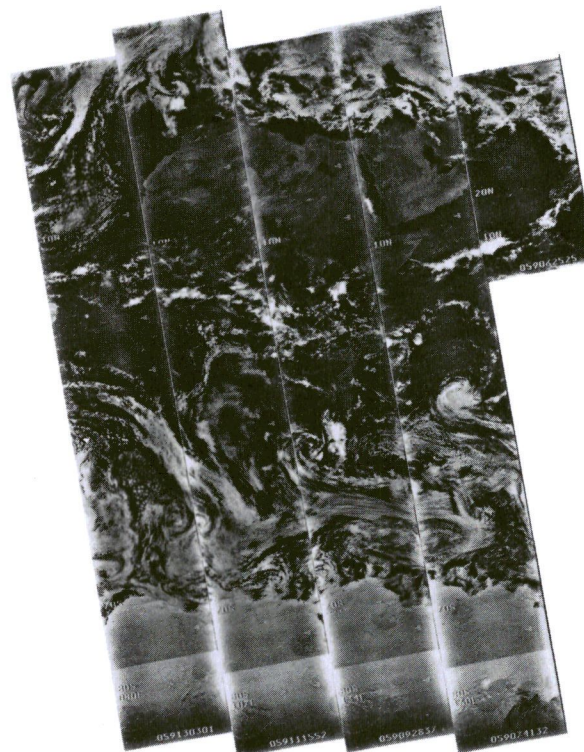
4373 4372 4371 4370 4369 4368 4367 4366 4365 4364 4363 4362 4361 4360

27 FEBRUARY 1971

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09-8



4386 4385 4384 4383 4382 4381 4380 4379 4378 4377 4376 4375 4374

28 FEBRUARY 1971

## SECTION 4

### TEMPERATURE-HUMIDITY INFRARED RADIOMETER MONTAGES

This section pictorially documents the data from the Temperature-Humidity Infrared Radiometer (THIR) experiment carried on the Nimbus 4 Meteorological Satellite. Section 4.1 contains all nighttime THIR 11.5 and 6.7 micrometer montages and Section 4.2 contains all daytime THIR 11.5 micrometer montages, arranged in chronological order. No daytime 6.7 micrometer montages are shown since this channel was only on during orbits 3646 (5 minutes) and 4249 (50 minutes). There is no THIR data for 11 January and 15-29 January 1971( see Section 1-3). Key latitudes can be read from the superposed grids. Grid points are identified where each swath crosses 60° N, 30° N, EQUATOR, 30° S and 60° S.

Vellum Location Guide overlays, attached to the back of this document, are to be used for general orientation with the data presented in each THIR montage. Proper alignment of the overlay grid is accomplished by matching the grid indices on the equator with the two "T" marks on each montage.

Each THIR montage is provided with a time scale to determine the Universal Time limits required to order processed THIR grid print maps (see p. 57, Nimbus IV User's Guide). The time scale determines the number of minutes from ascending (daytime data) or descending (nighttime data) node time for the interval of data required. To obtain the Universal Time for daytime data, the measured time is to be added to the ascending node time in the northern hemisphere and subtracted in the southern hemisphere. For nighttime data, the measured time is to be subtracted from the descending node time in the northern hemisphere and added in the southern hemisphere. The ascending and descending node times are given in Section 2.

The following alternate procedure also establishes Universal Time limits. Knowing the latitude limits of the study area, the minutes from ascending or descending node can be directly interpolated from Table 4-1. These time values can then be added to or subtracted from node times given in Section 2.

A description of the THIR experiment and instructions for ordering THIR data may be found in the Nimbus IV User's Guide, Section 3.



Table 4-1

LATITUDE VERSUS MINUTES FROM  
ASCENDING OR DESCENDING NODE

Latitude from AN or DN	Minutes and Seconds from AN or DN
0	0:00
5	1:31
10	3:02
15	4:33
20	6:03
25	7:34
30	9:05
35	10:36
40	12:08
45	13:40
50	15:12
55	16:44
60	19:18
65	19:52
70	21:33
75	23:26
78	24:44
80.1	26:49
78	29:00
75	30:09
70	31:51
65	33:35

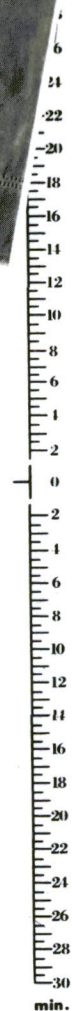
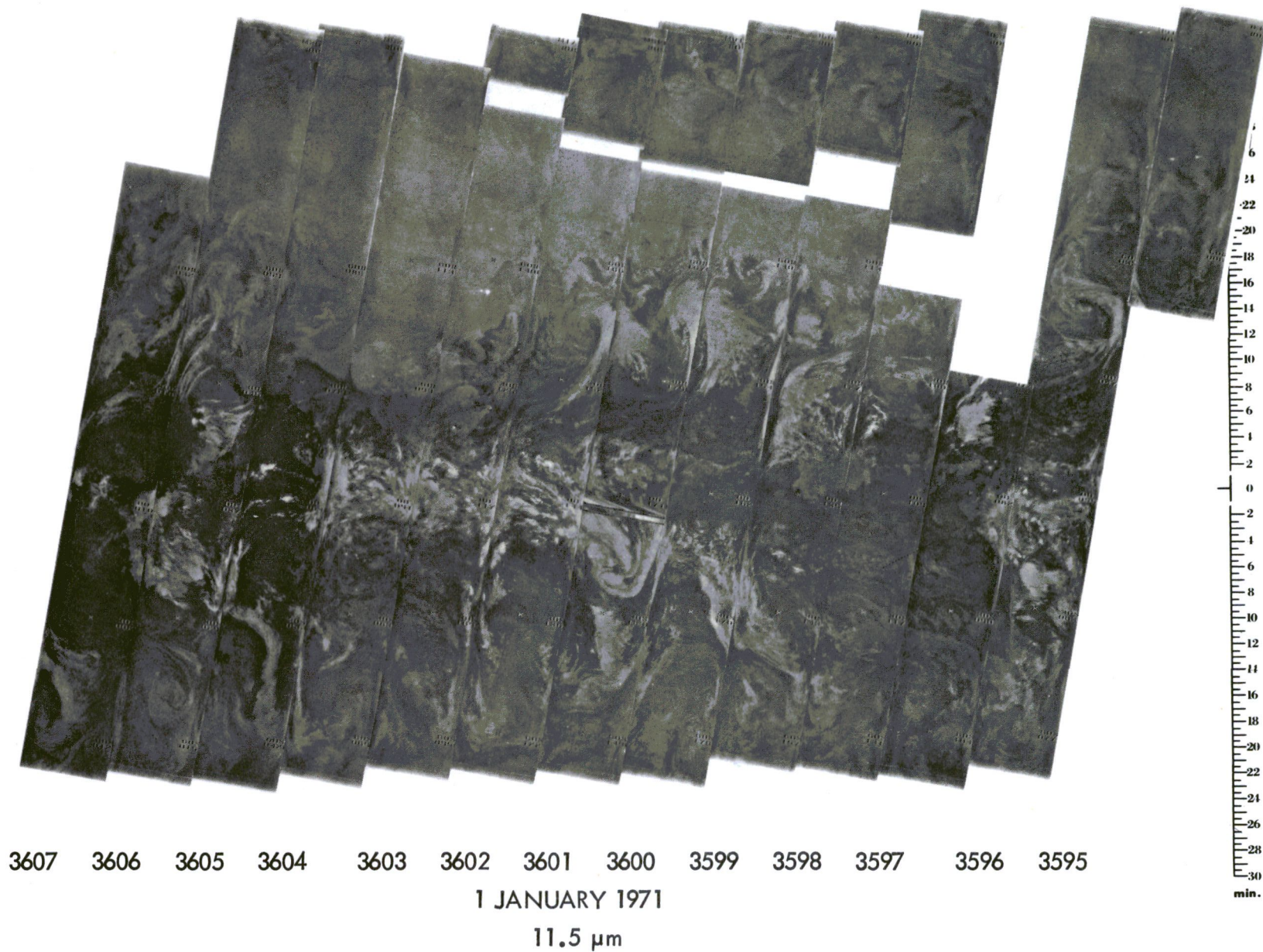
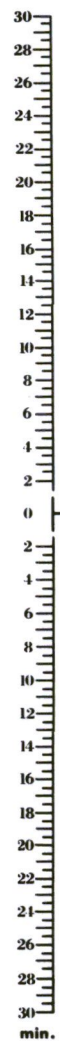
SECTION 4.1

TEMPERATURE HUMIDITY INFRARED RADIOMETER

NIGHTTIME MONTAGES

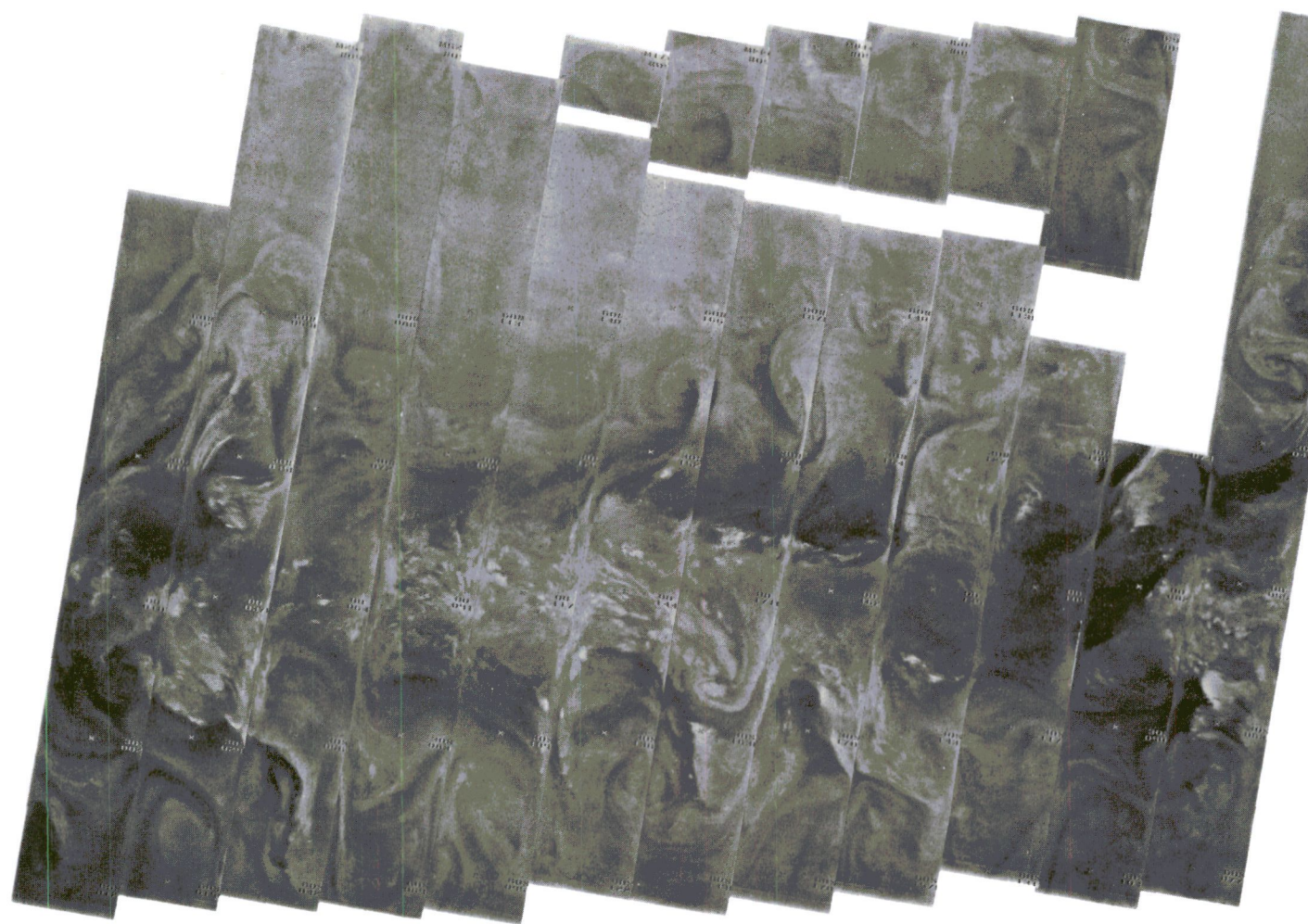
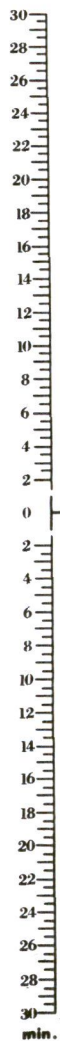


4-4





4-5



3607 3606 3605 3604 3603 3602 3601 3600 3599 3598 3597 3596 3595

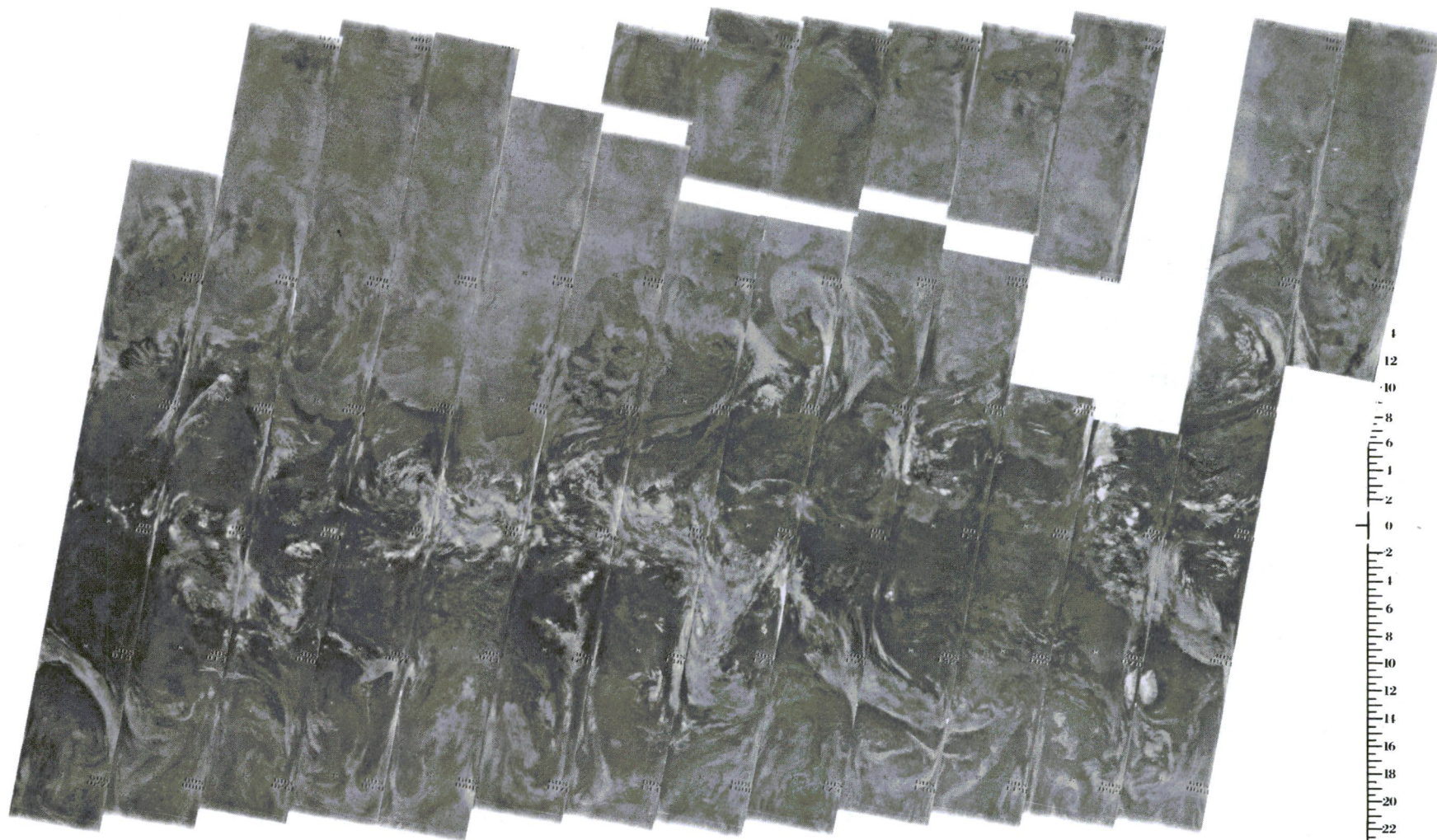
1 JANUARY 1971

6.7  $\mu$ m





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30  
min.



3621 3620 3619 3618 3617 3616 3615 3614 3613 3612 3611 3610 3609 3608

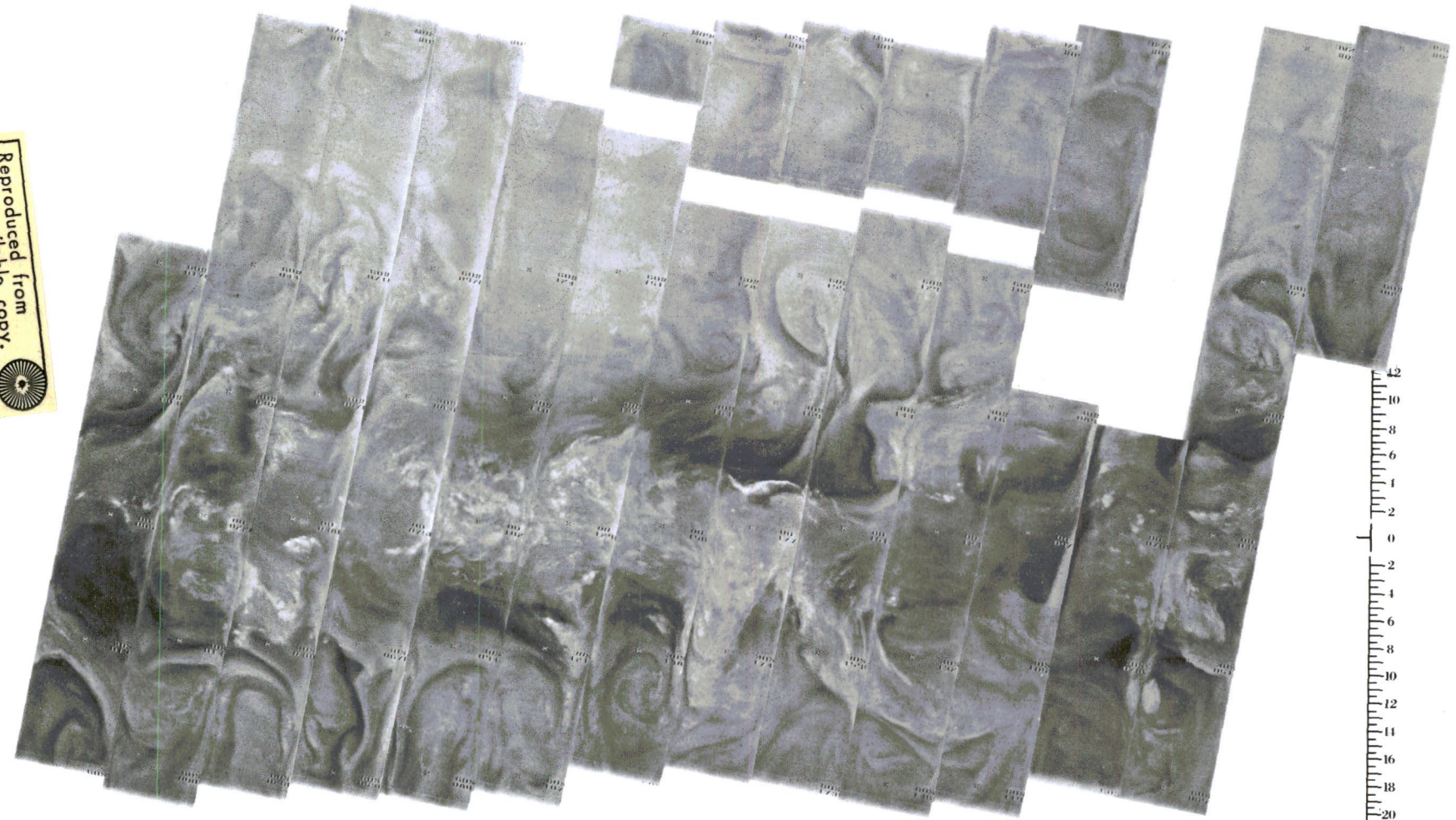
2 JANUARY 1971

11.5  $\mu$ m

12  
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24  
26  
28  
30  
min.



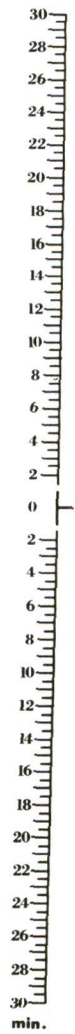
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3621 3620 3619 3618 3617 3616 3615 3614 3613 3612 3611 3610 3609 3608

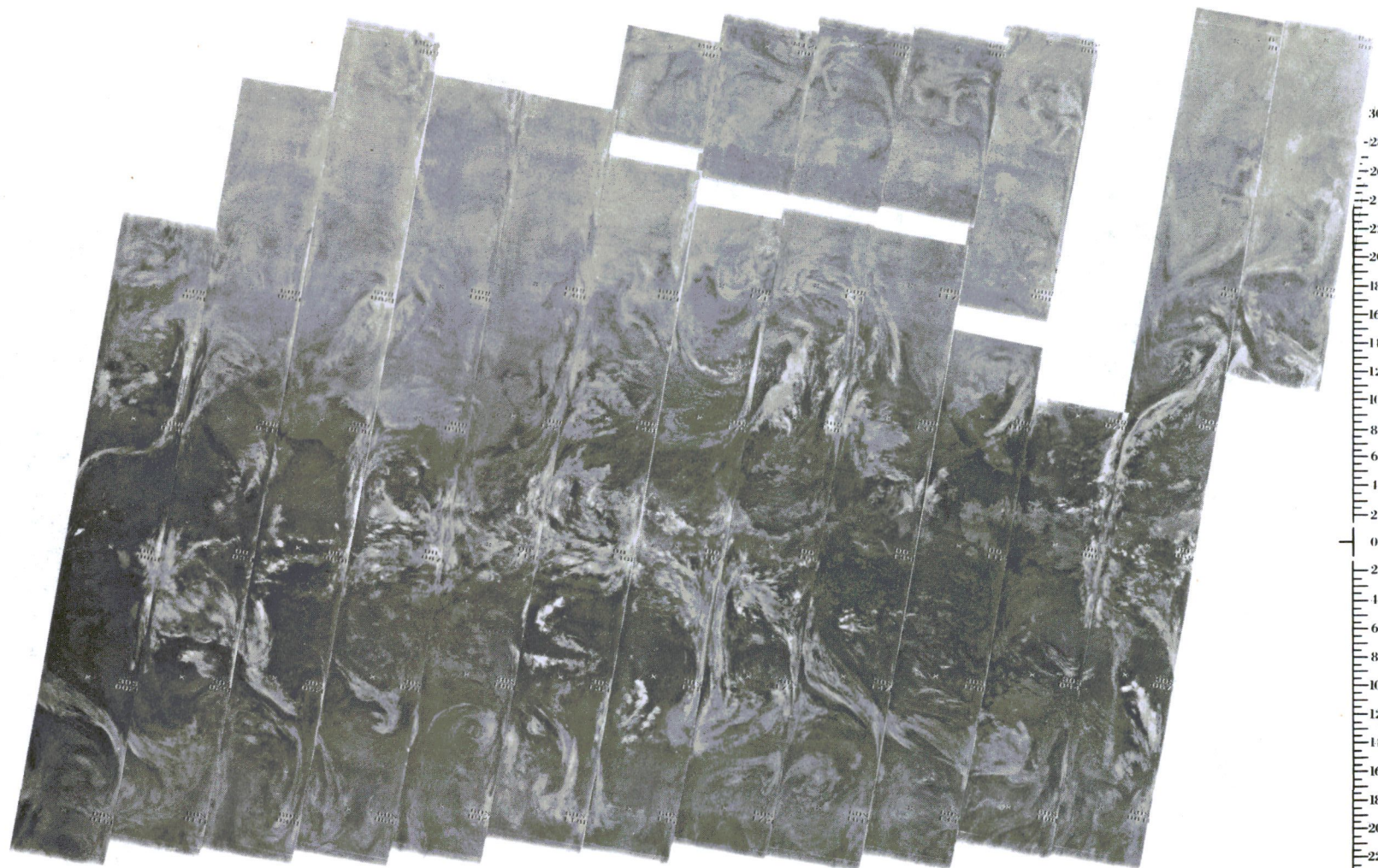
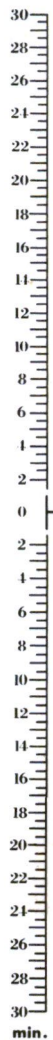
2 JANUARY 1971

6.7  $\mu$ m





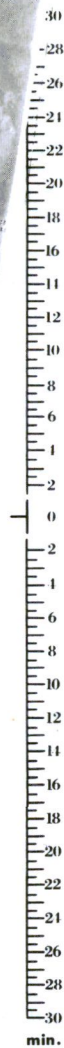
4-8



3634 3633 3632 3631 3630 3629 3628 3627 3626 3625 3624 3623 3622

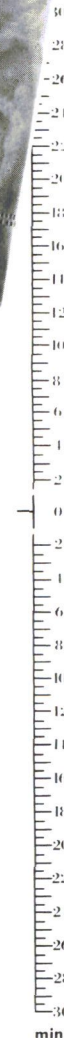
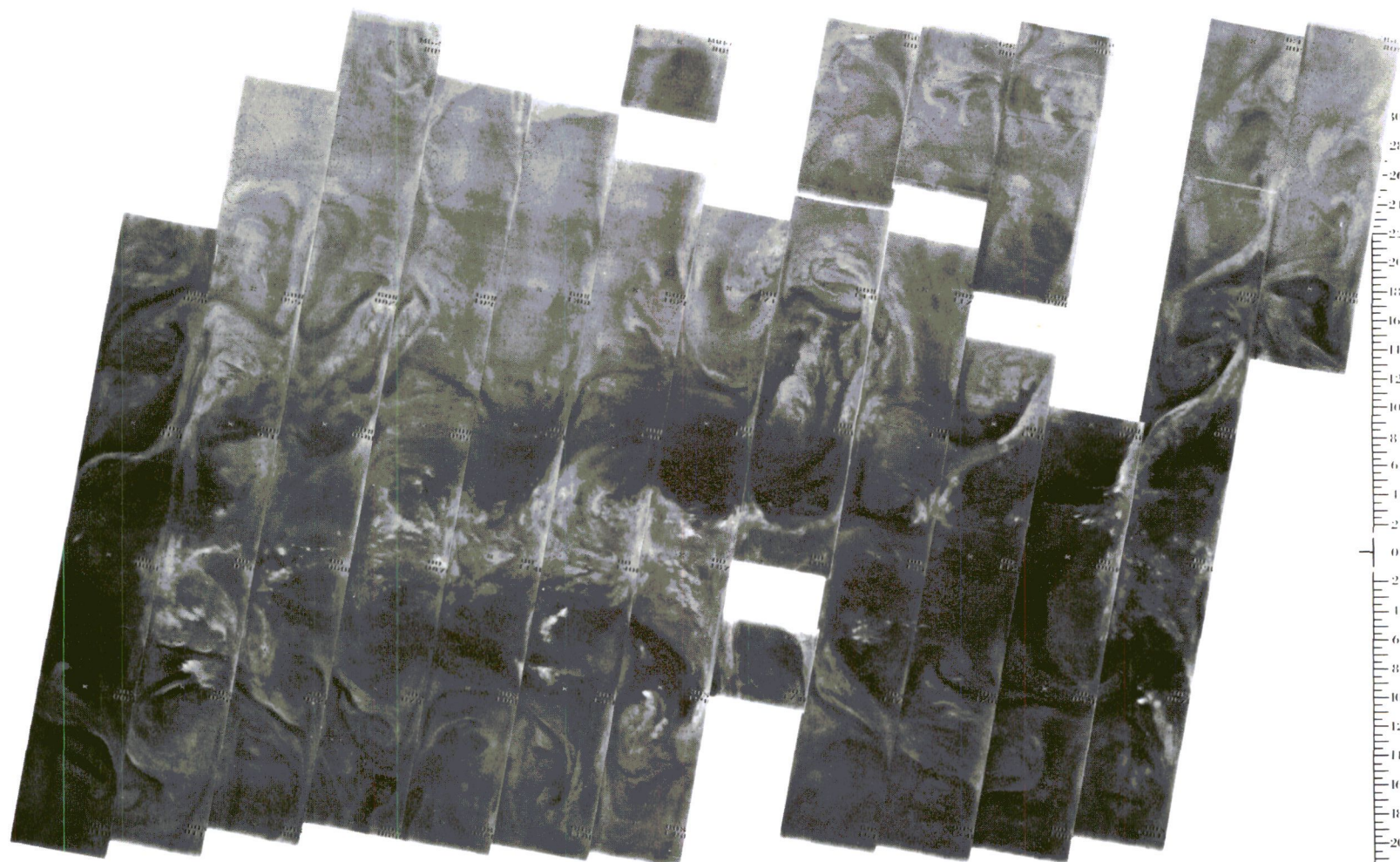
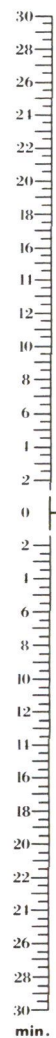
3 JANUARY 1971

11.5  $\mu$ m





4-9



3634 3633 3632 3631 3630 3629 3628 3627 3626 3625 3624 3623 3622

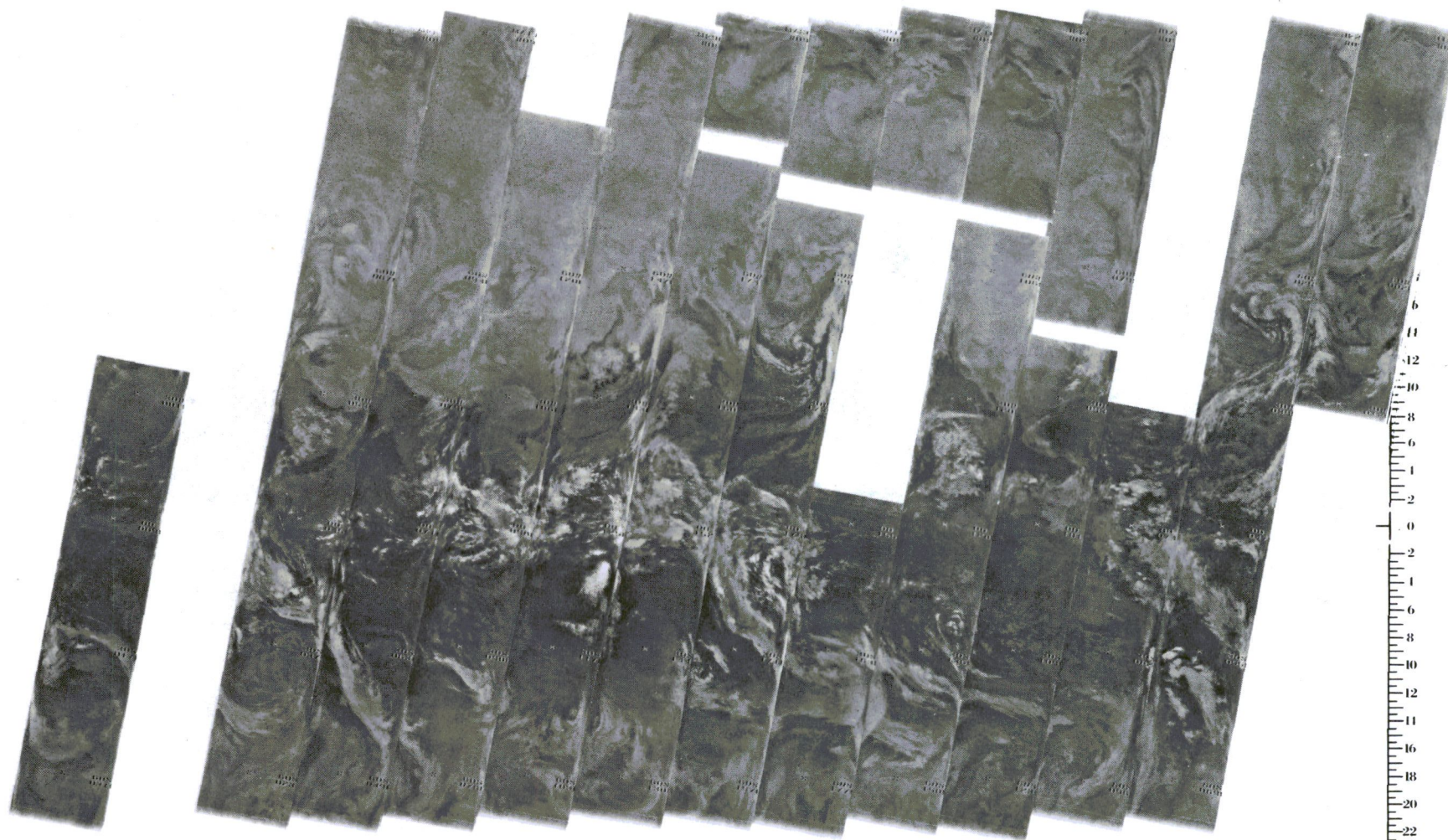
3 JANUARY 1971

6.7  $\mu$ m



4-10

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22  
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26  
28  
30  
min.



3648 3647 3646 3645 3644 3643 3642 3641 3640 3639 3638 3637 3636 3635

4 JANUARY 1971

11.5  $\mu$ m

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28  
30  
min.



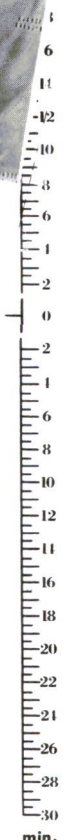
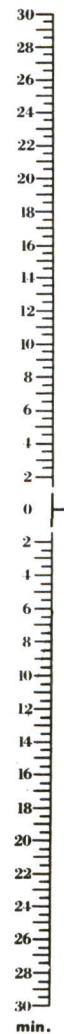
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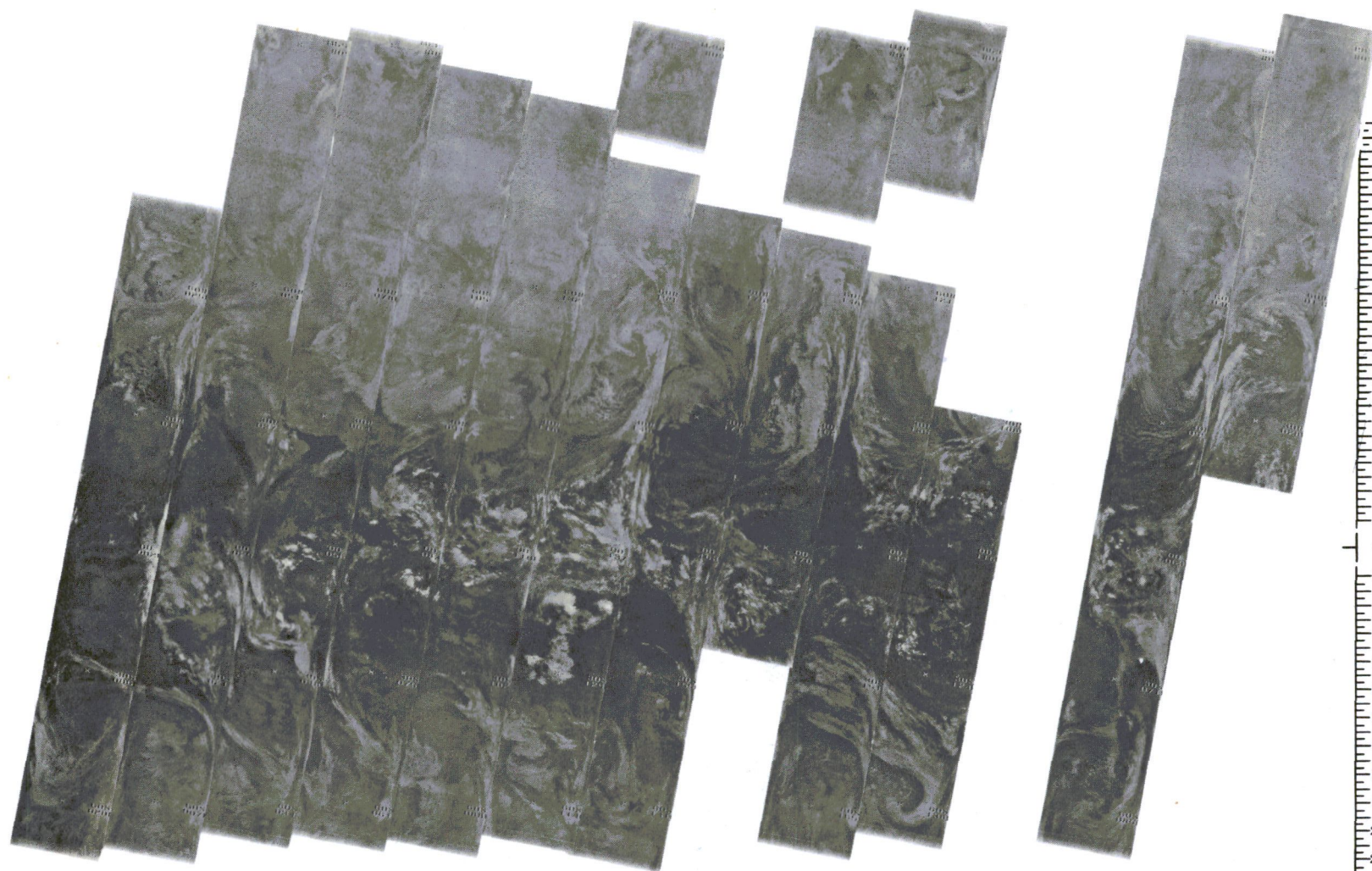
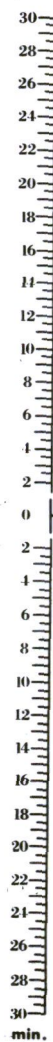
3648 3647 3646 3645 3644 3643 3642 3641 3640 3639 3638 3637 3636 3635

4 JANUARY 1971

6.7  $\mu$ m



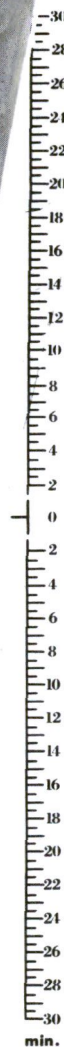




3661 3660 3659 3658 3657 3656 3655 3654 3653 3652 3651 3650 3649

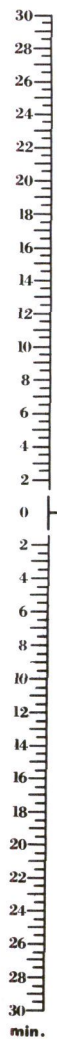
5 JANUARY 1971

11.5  $\mu$ m





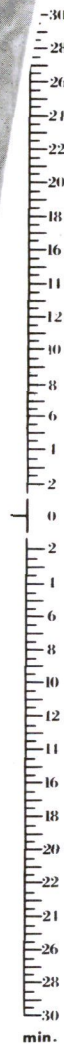
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5 JANUARY 1971

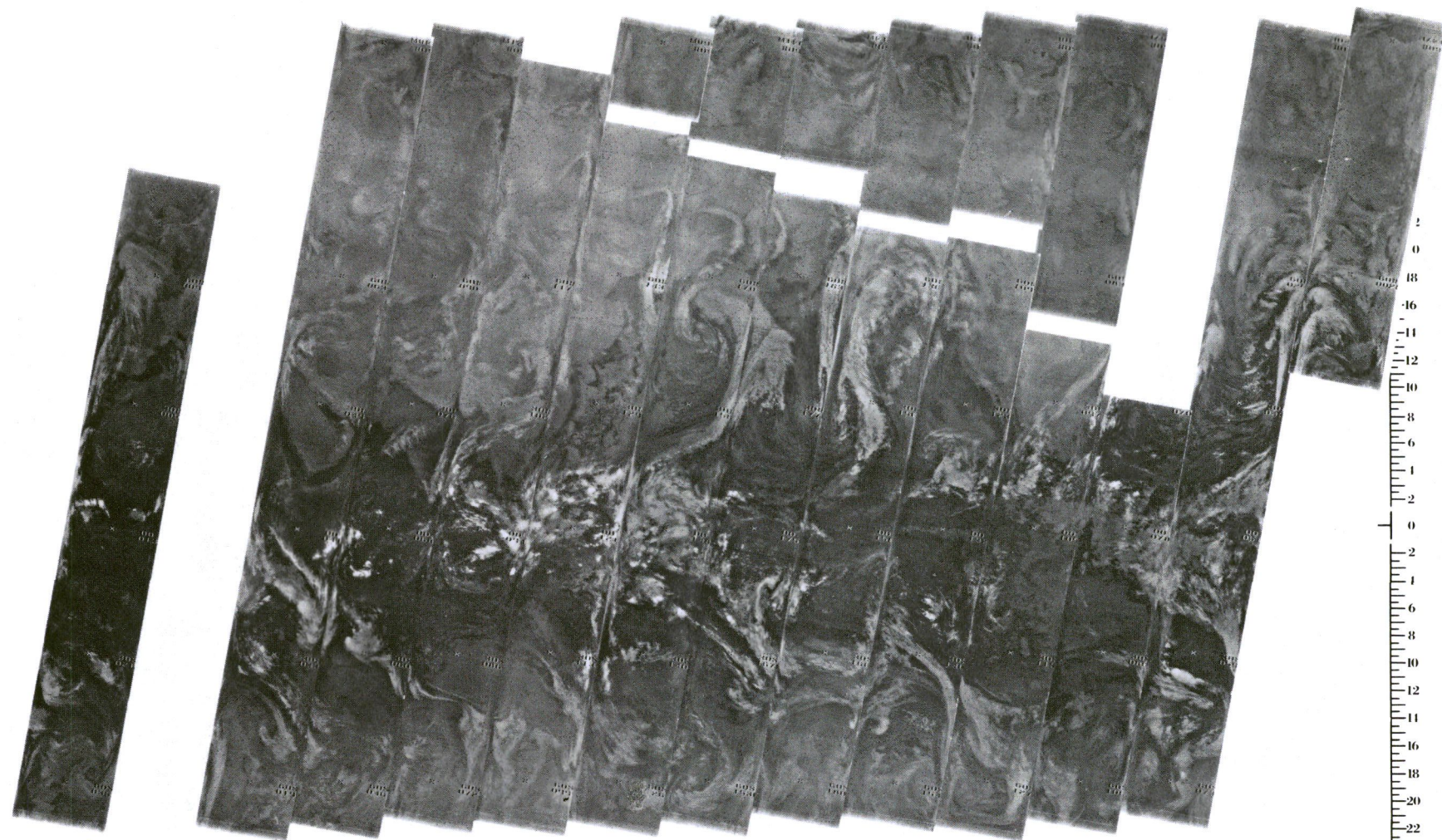
6.7  $\mu$ m





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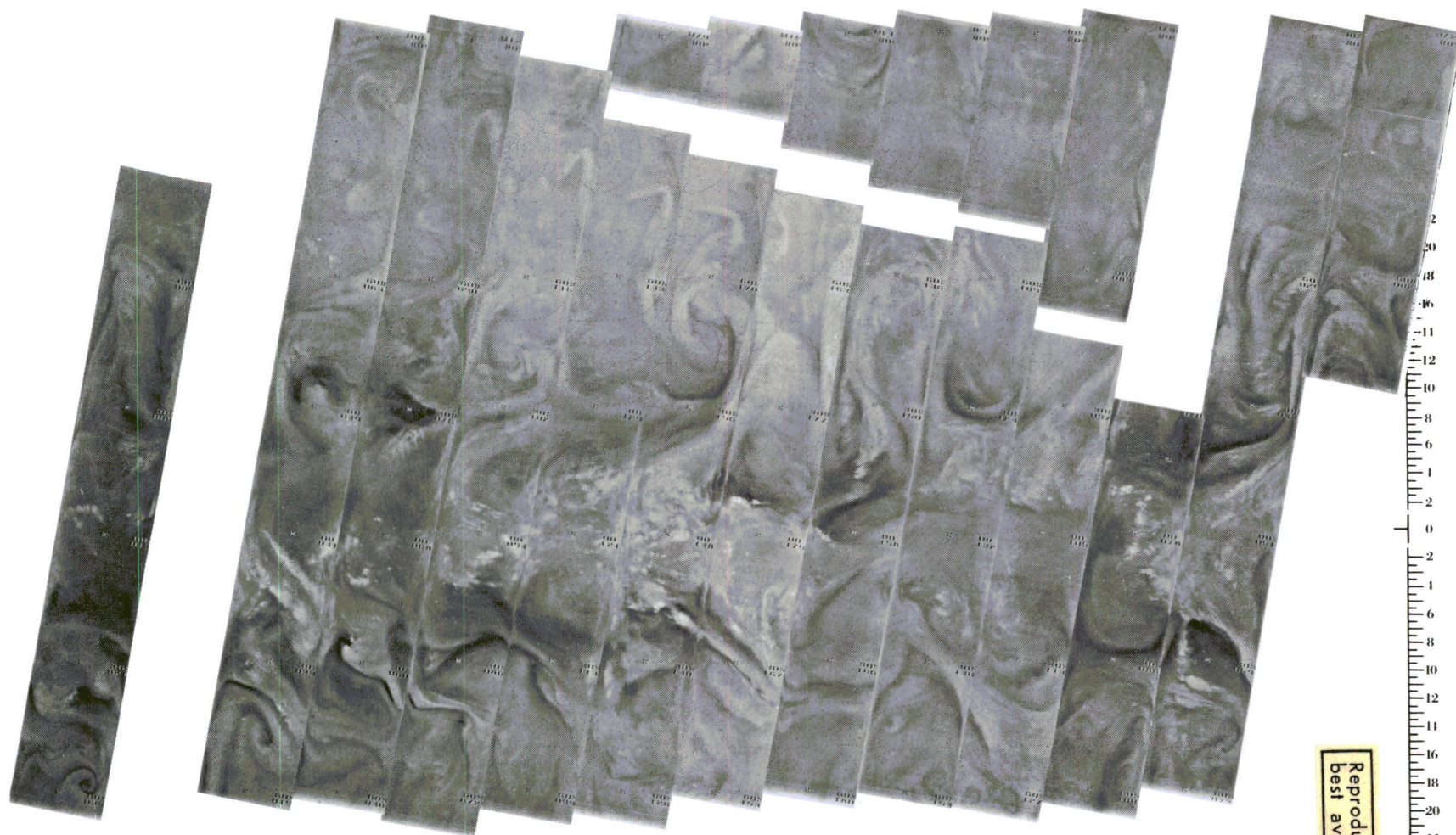
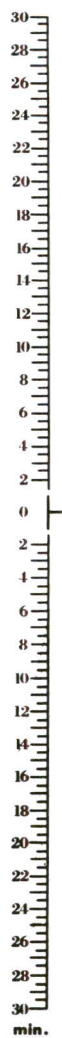
6 JANUARY 1971

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6 JANUARY 1971

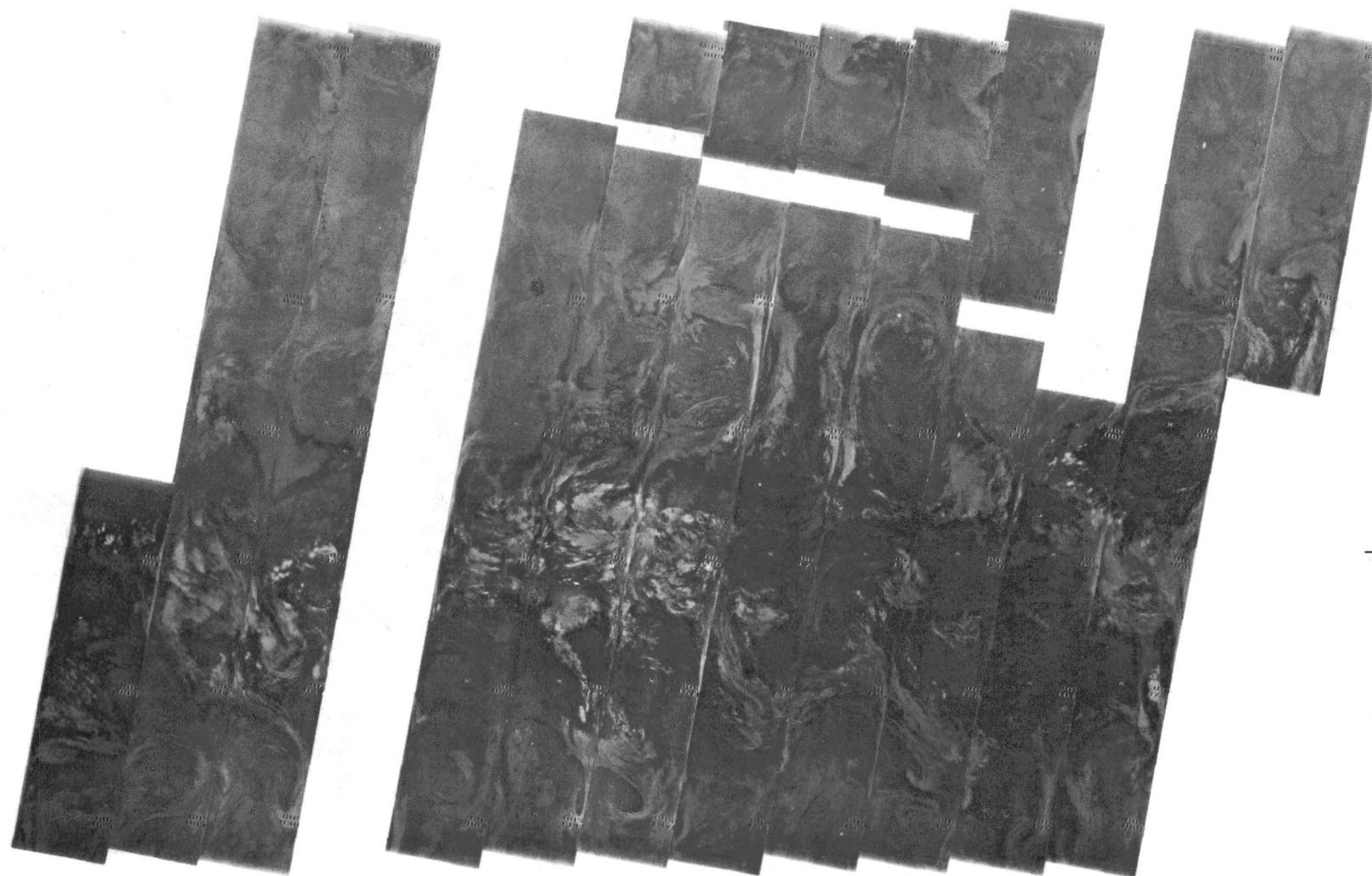
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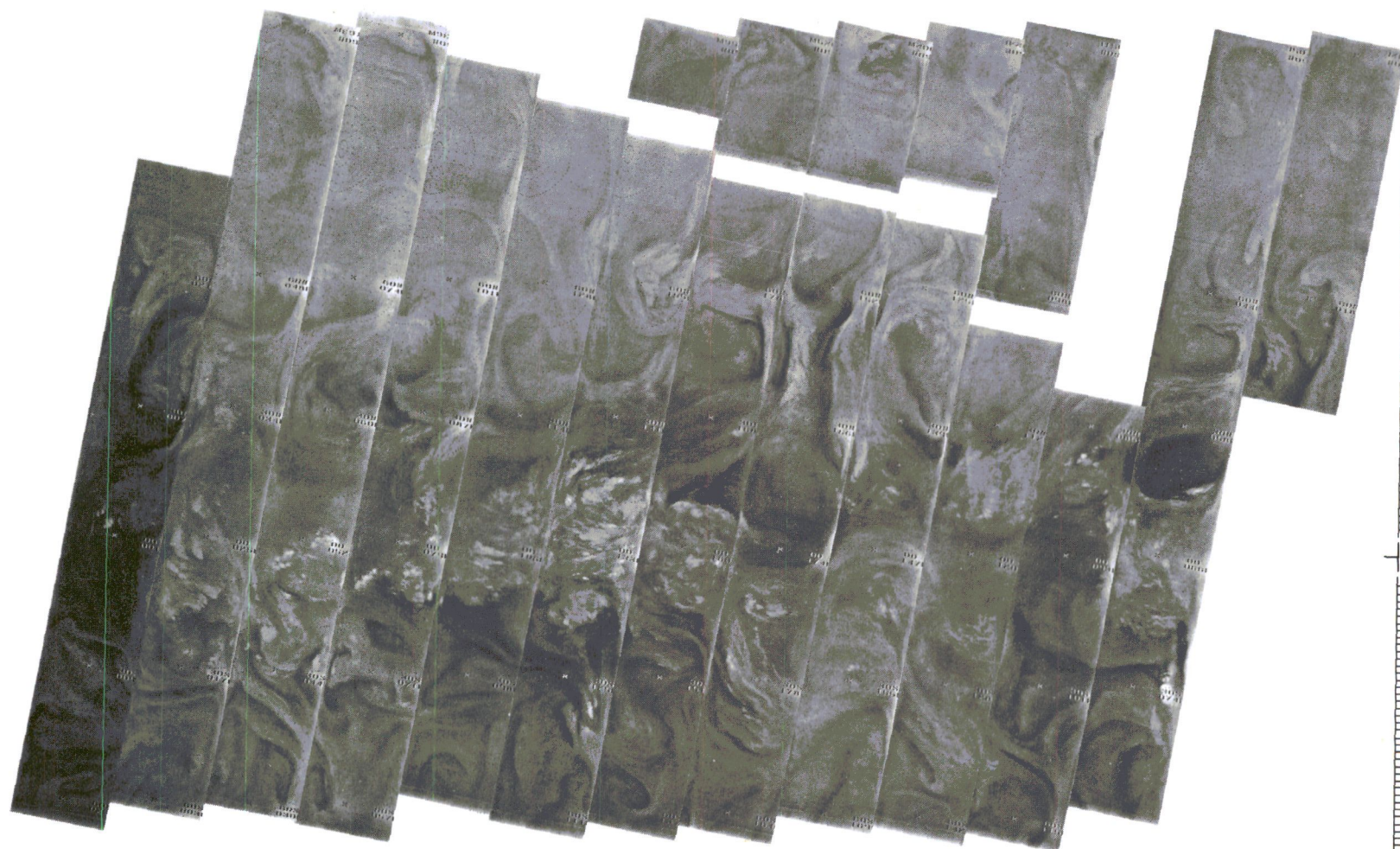
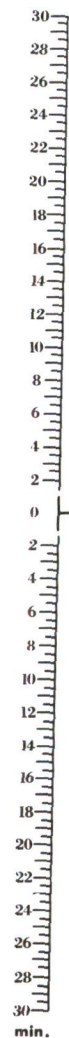
7 JANUARY 1971

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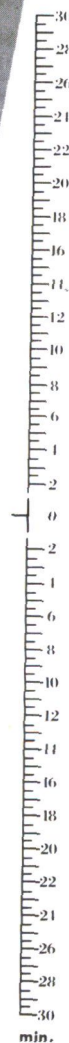
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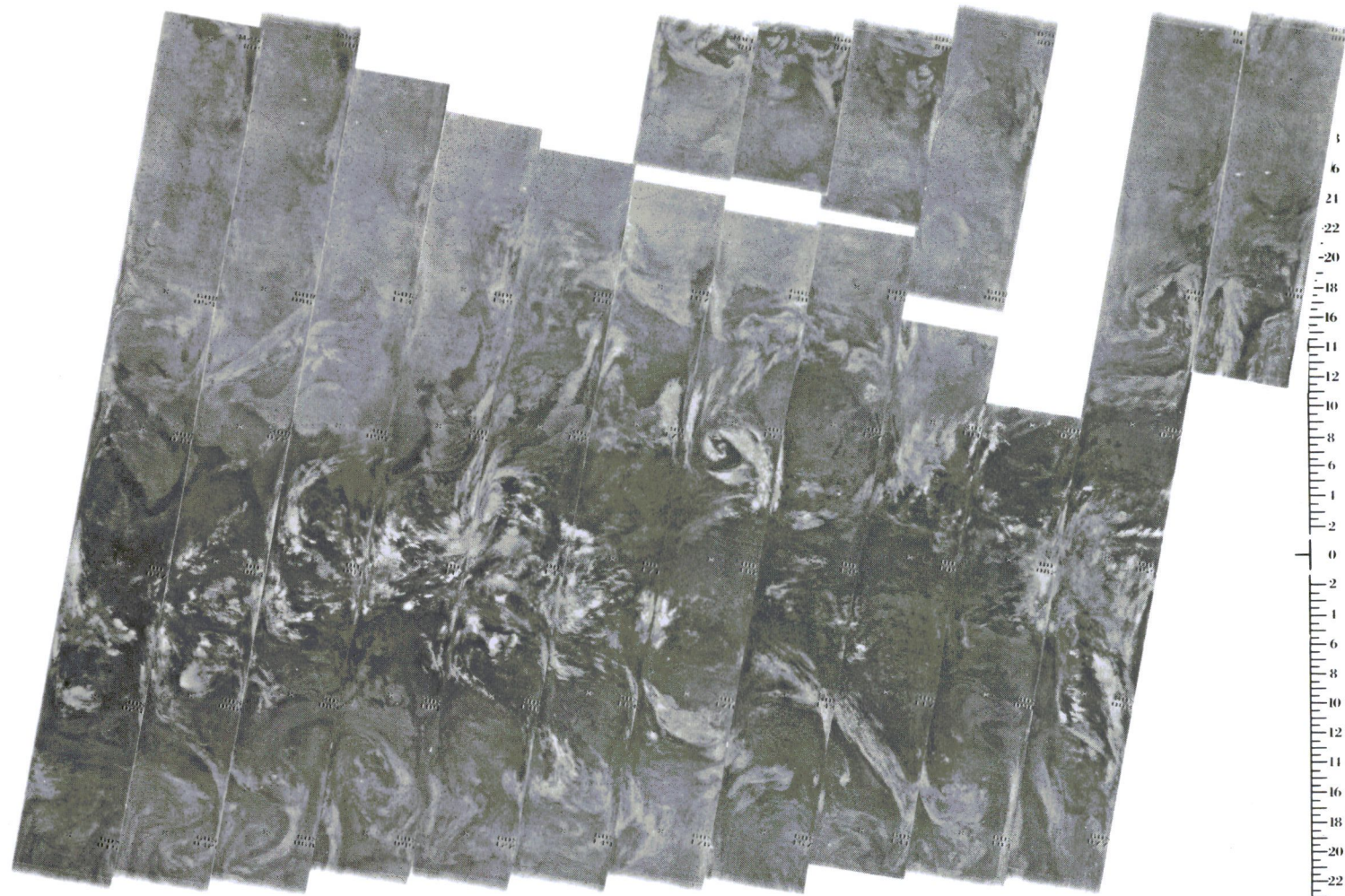
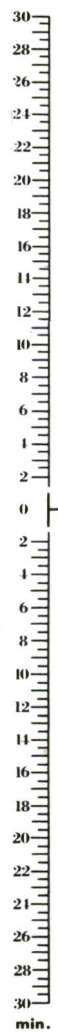
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6.7  $\mu$ m





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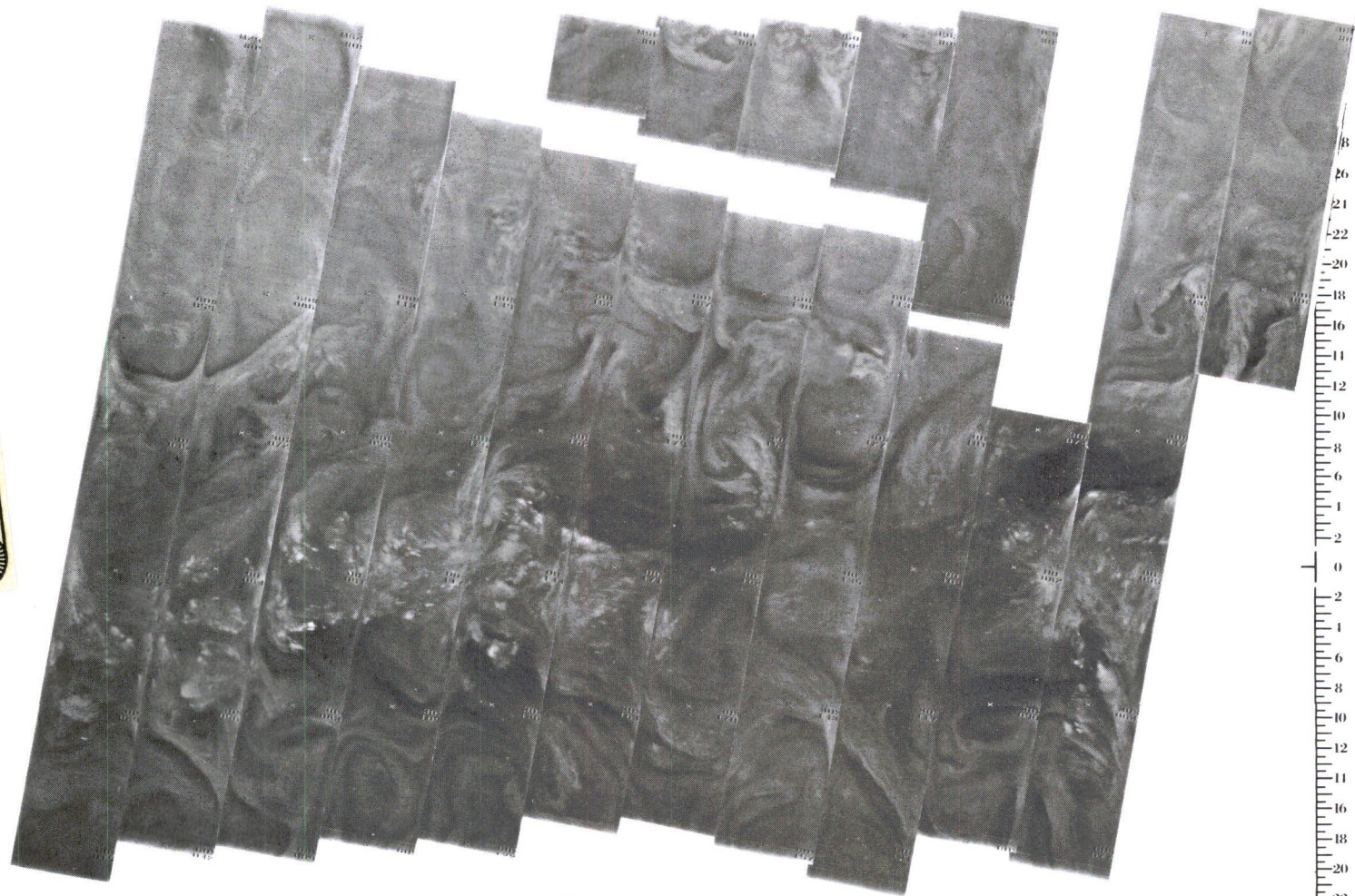
8 JANUARY 1971

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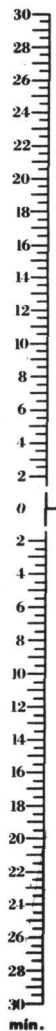
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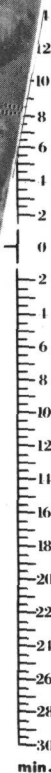
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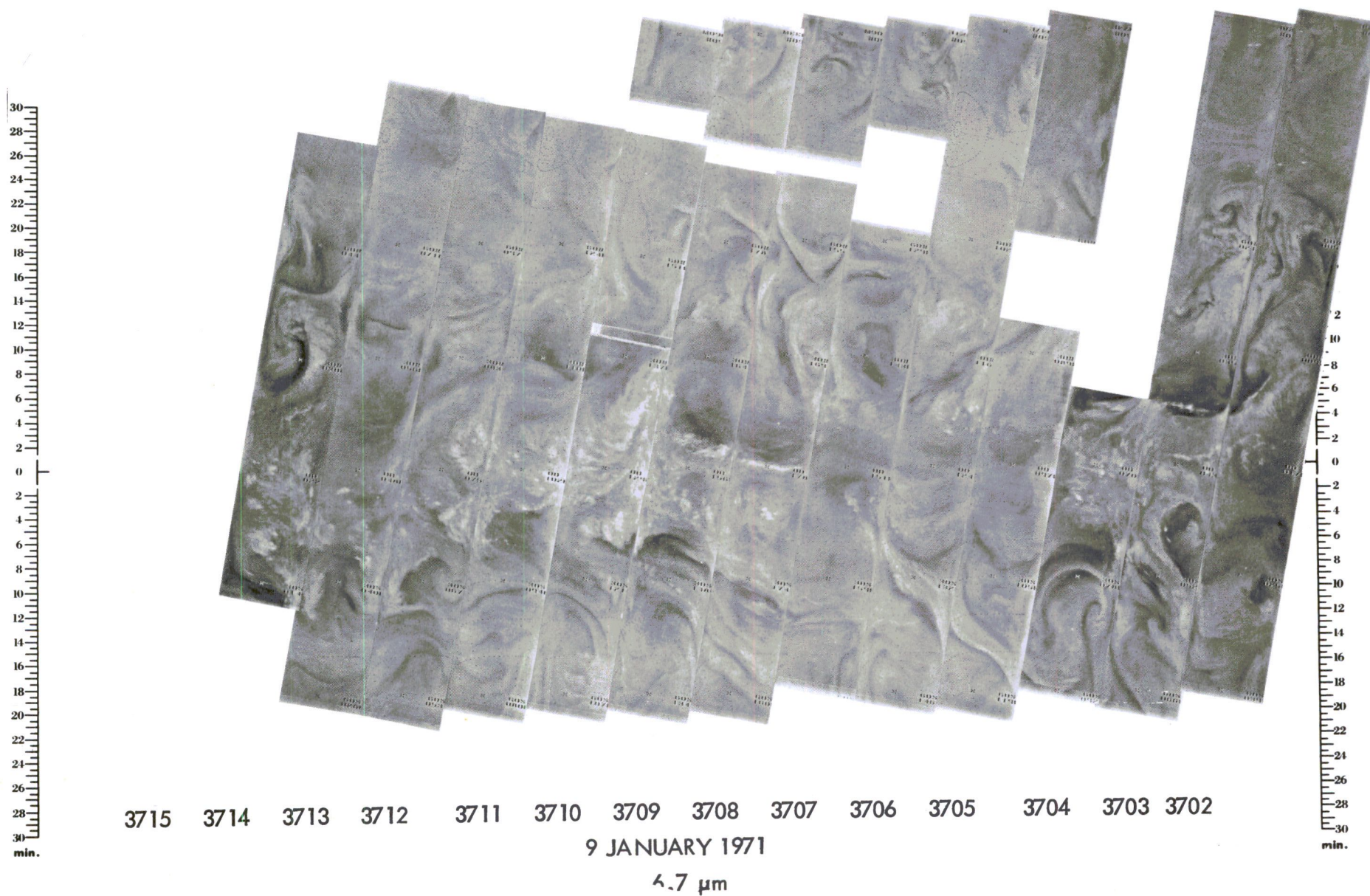
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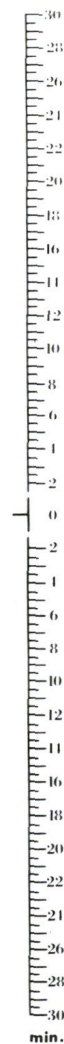
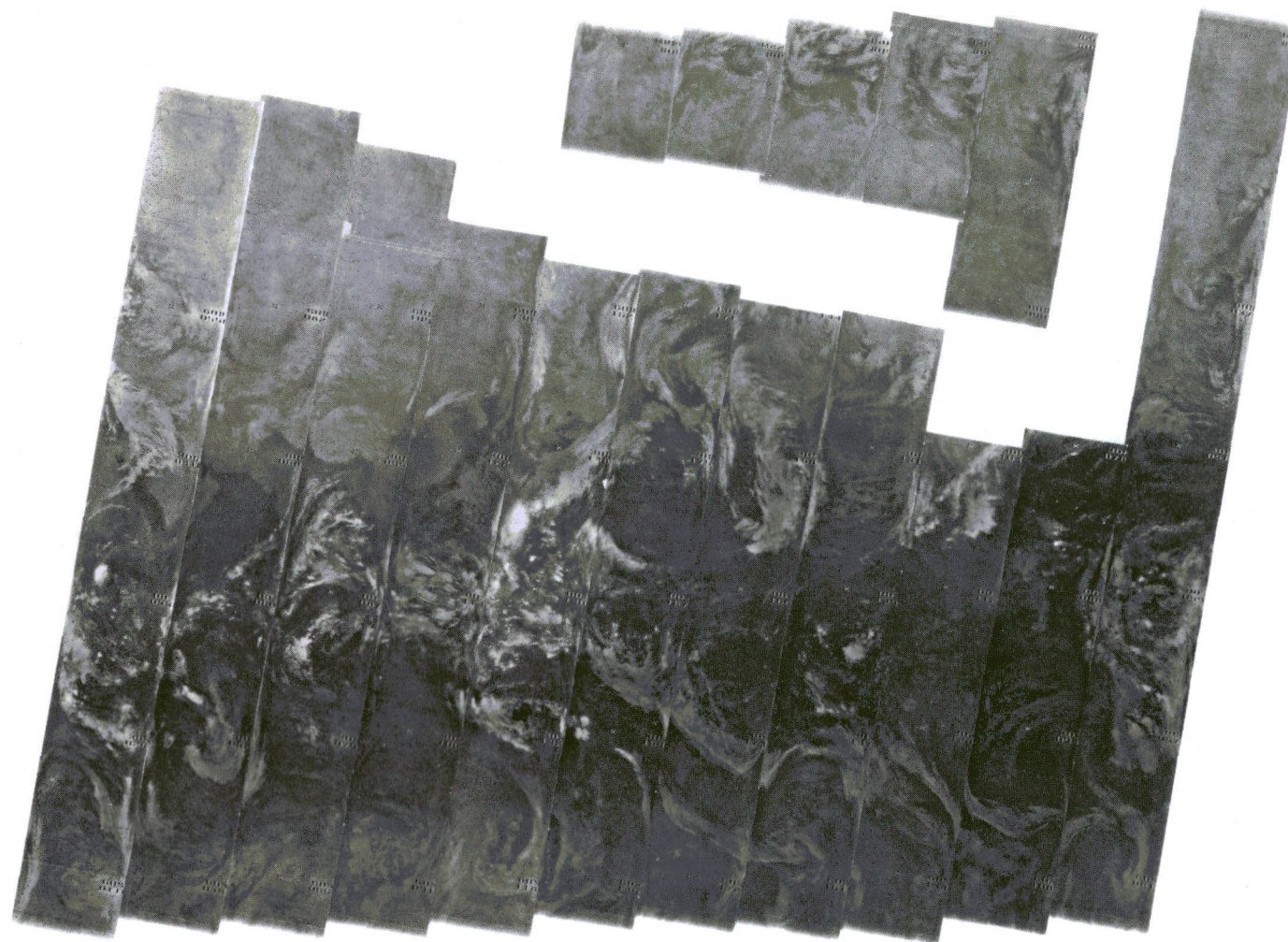
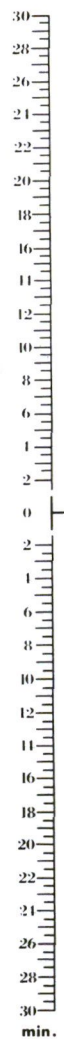
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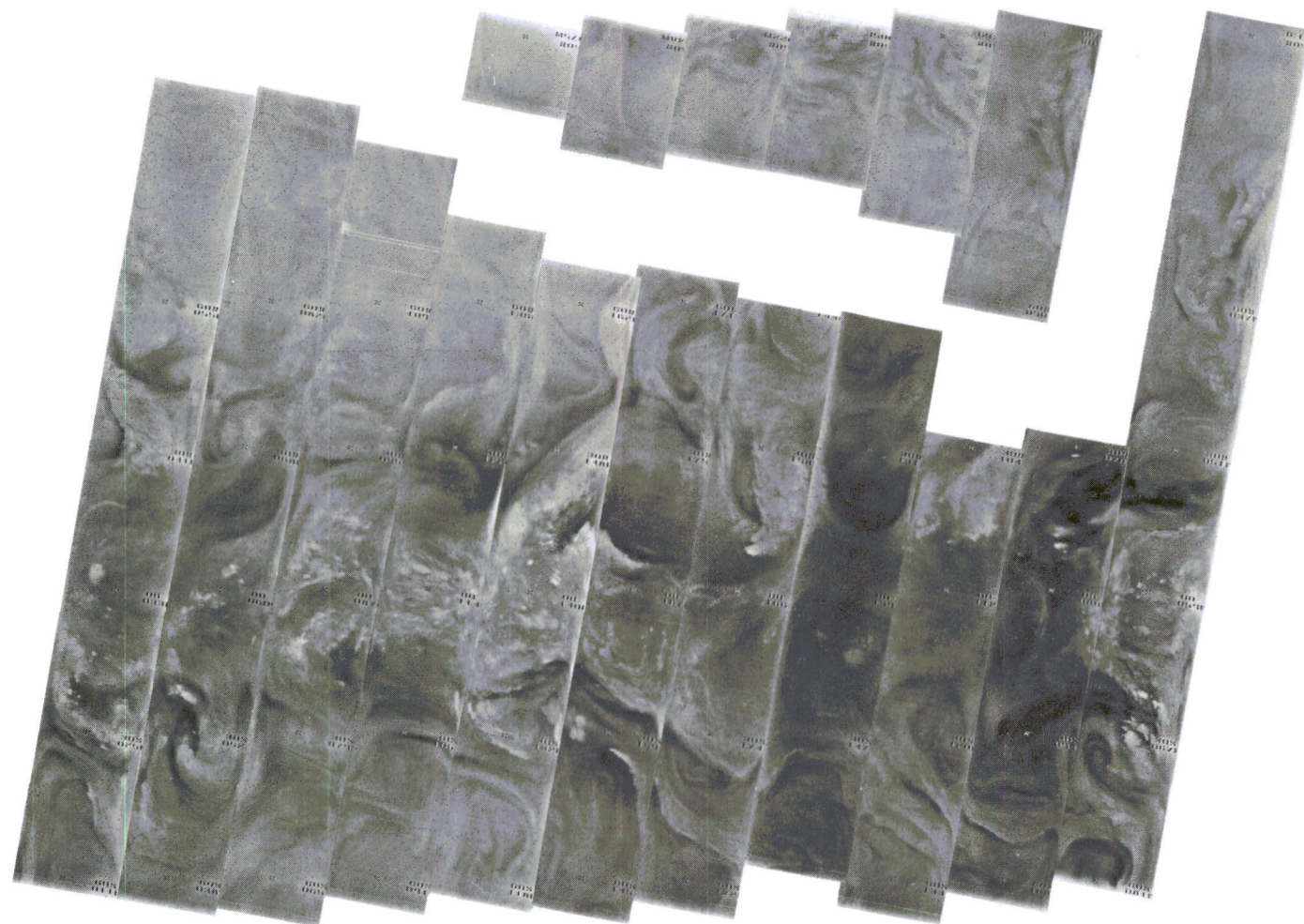
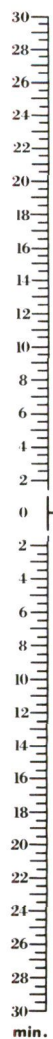
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10 JANUARY 1971

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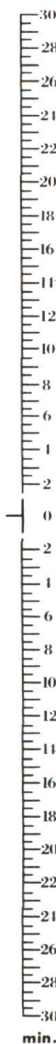
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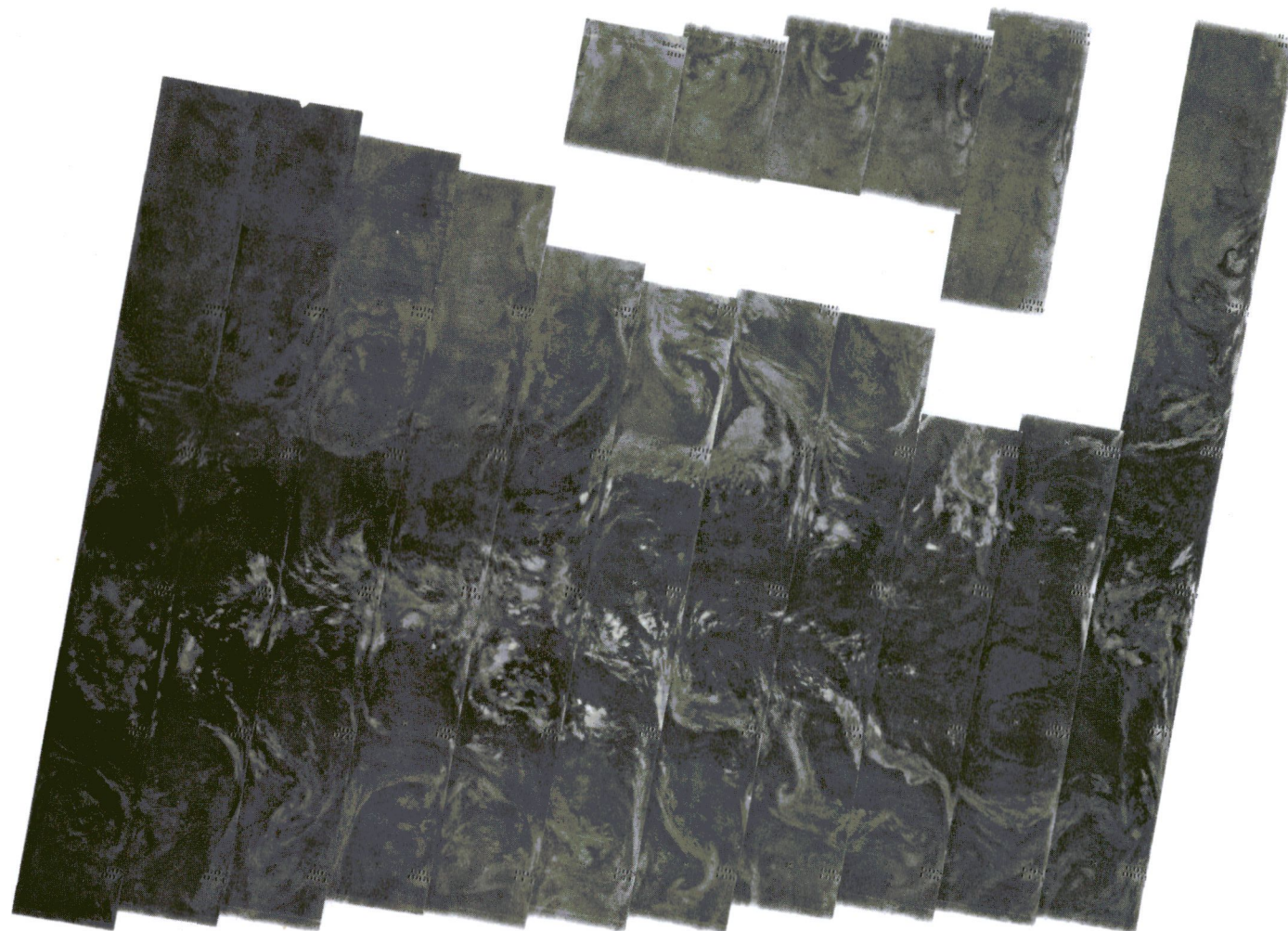
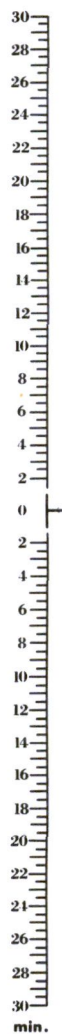
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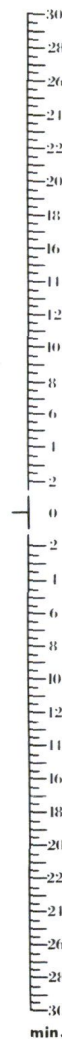
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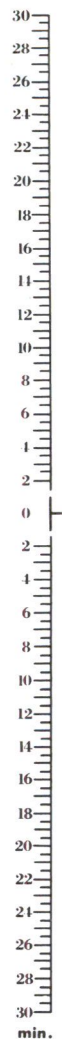
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12 JANUARY 1971

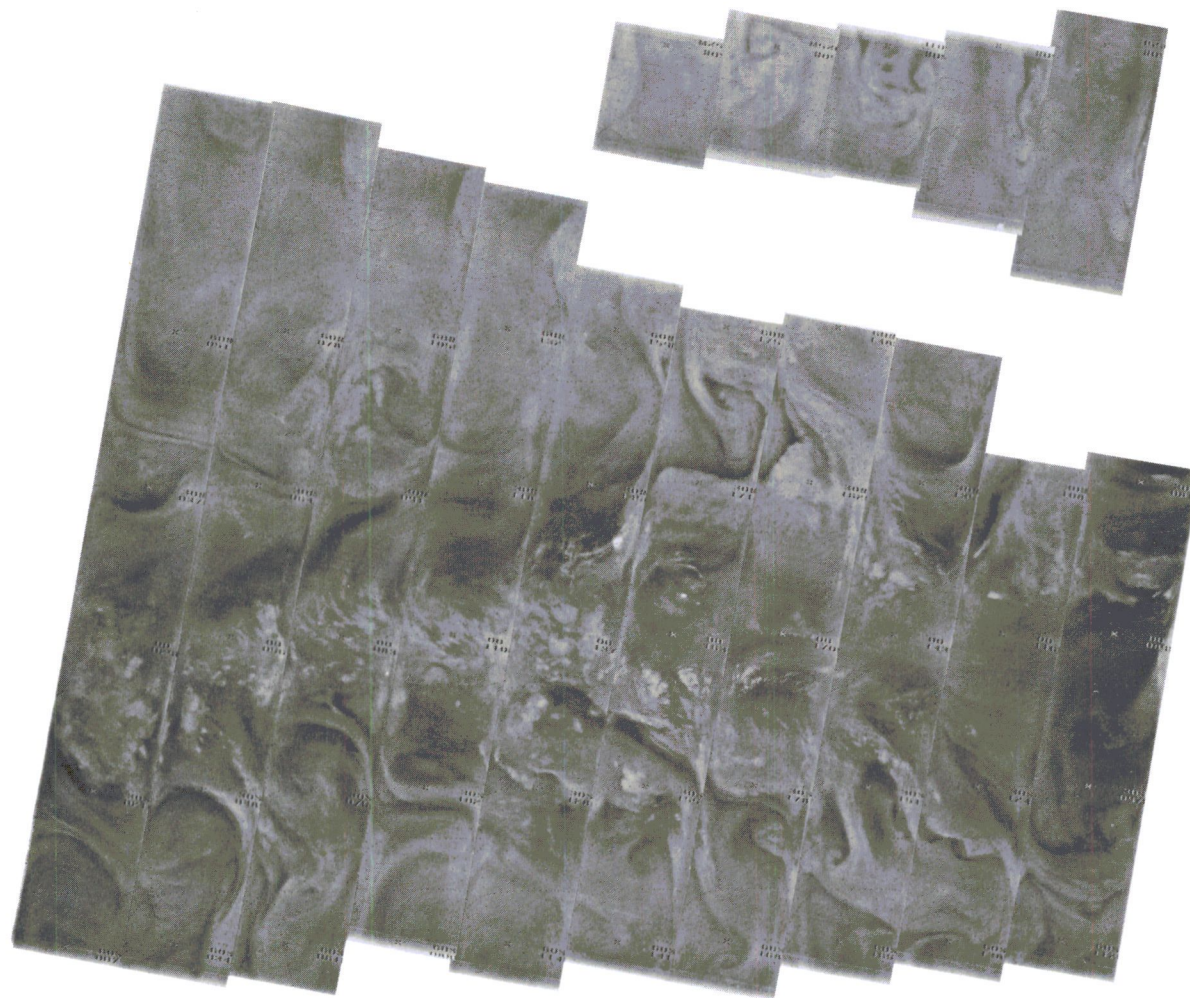
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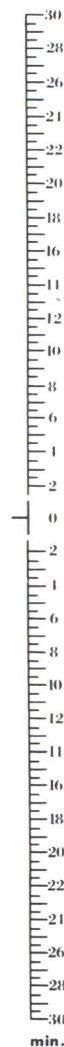
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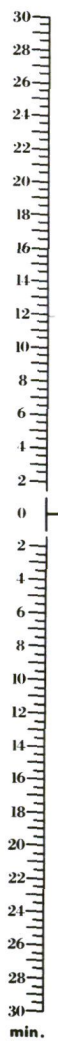


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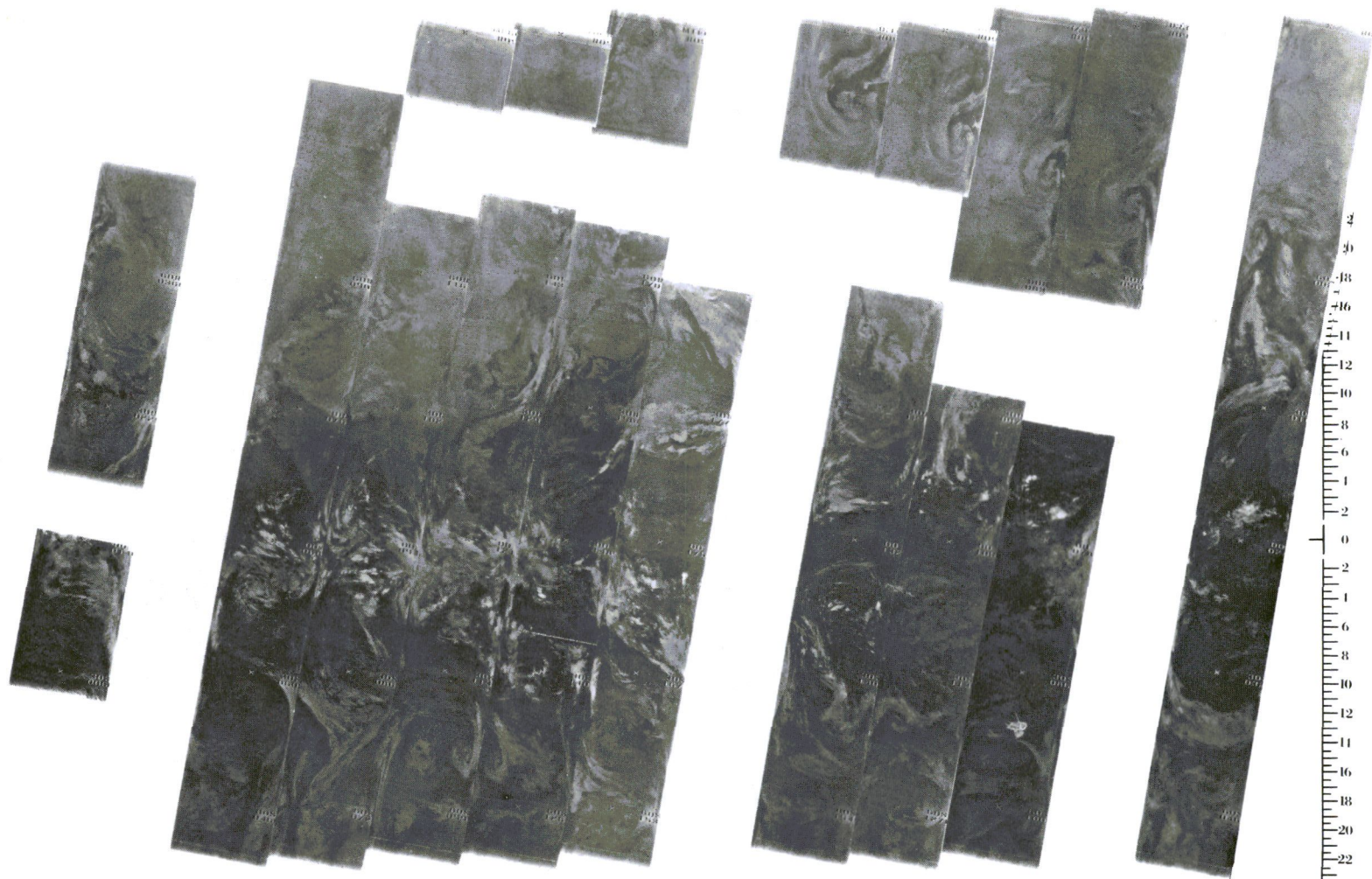




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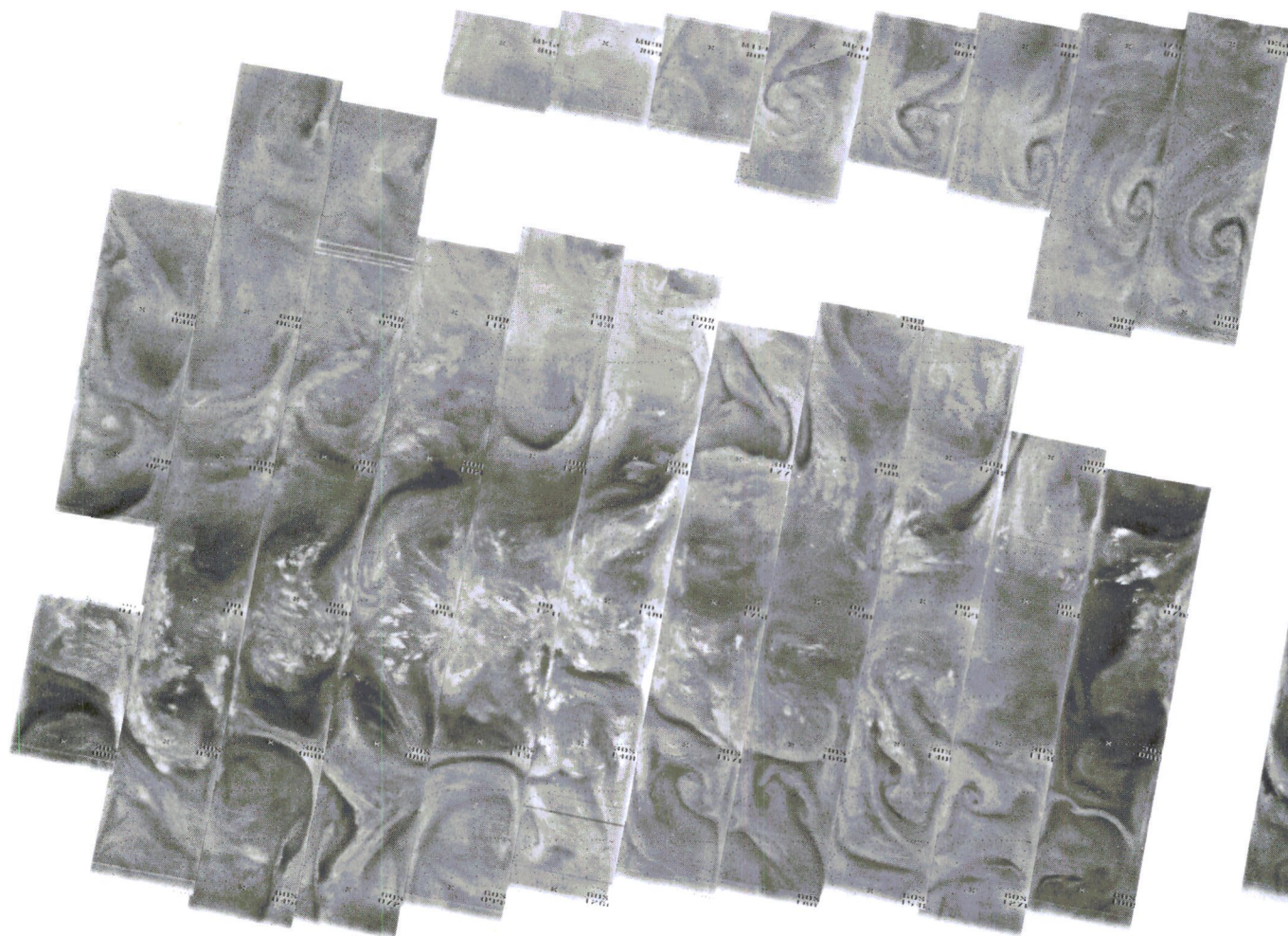
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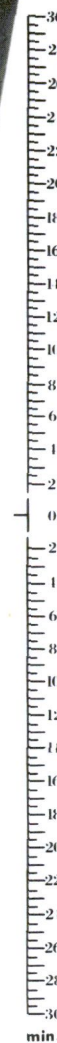
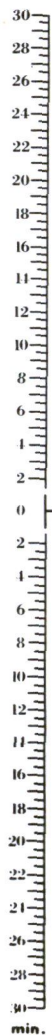
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13 JANUARY 1971

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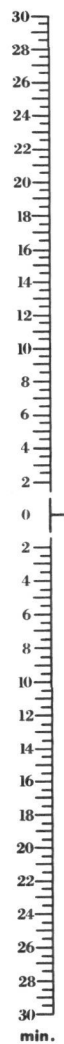


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14 JANUARY 1971

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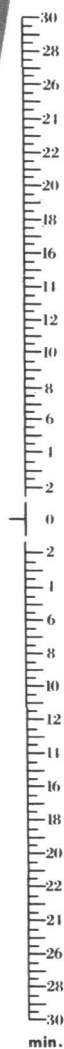
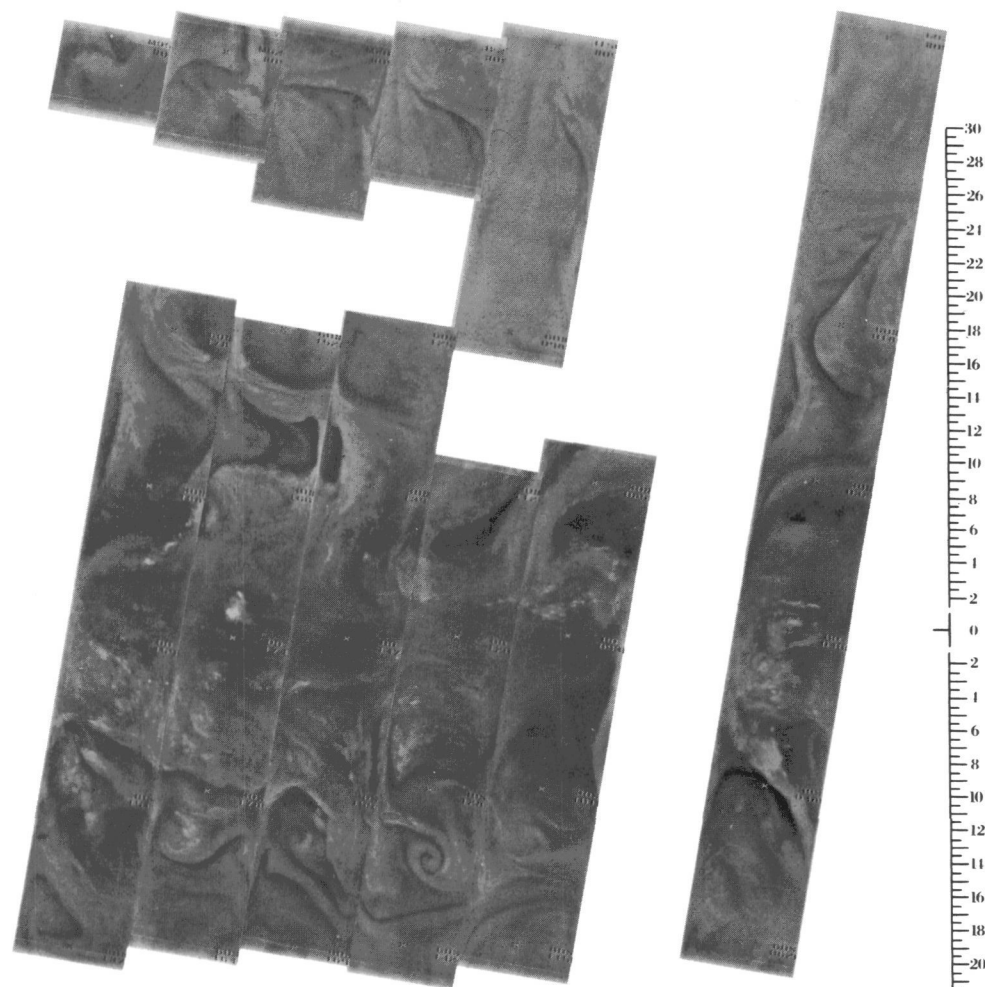




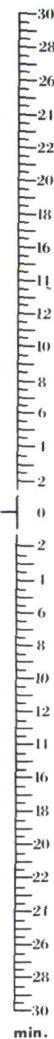
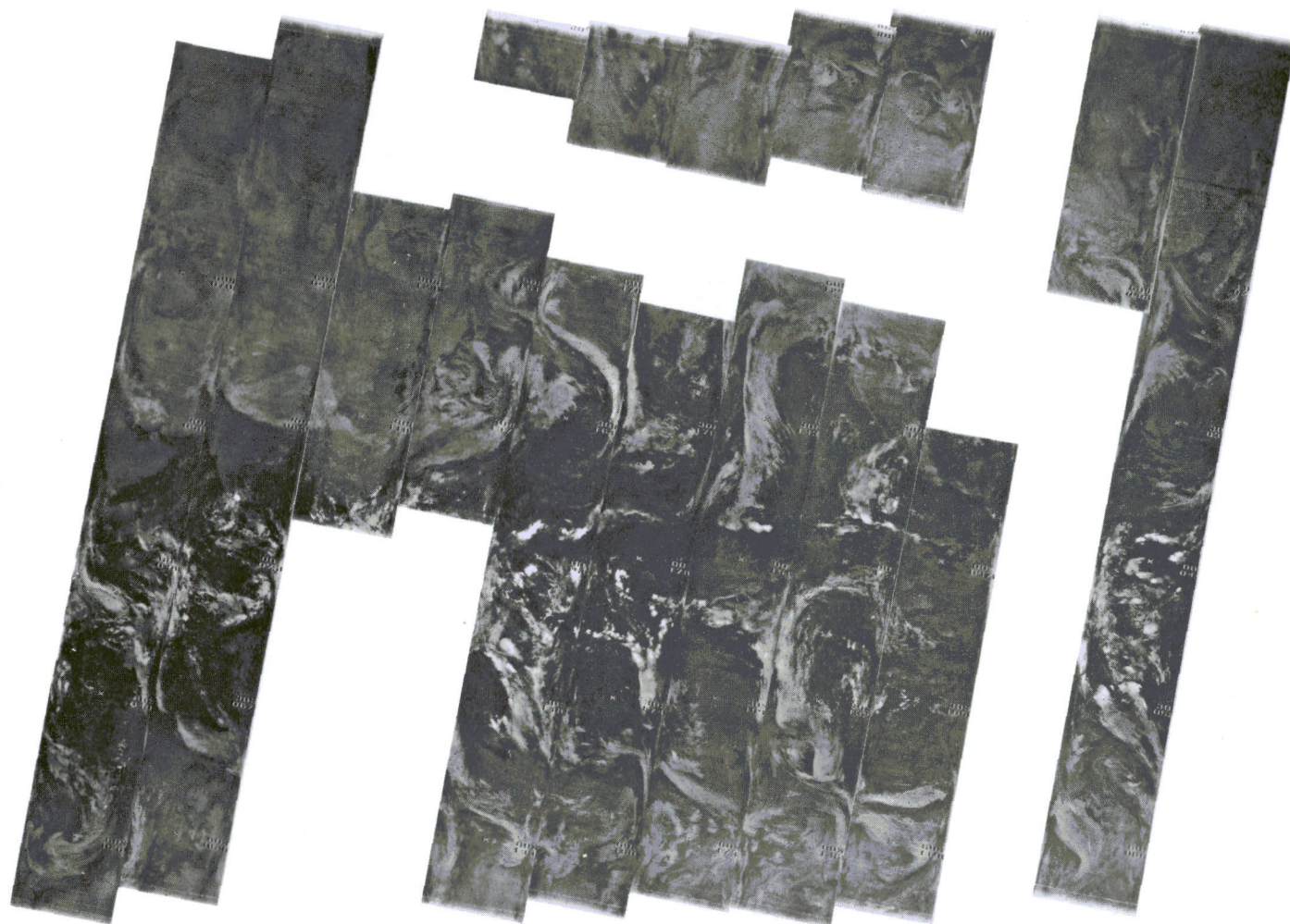
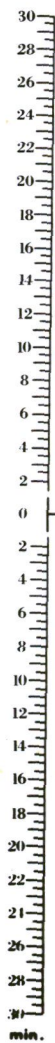
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14 JANUARY 1971

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4-30

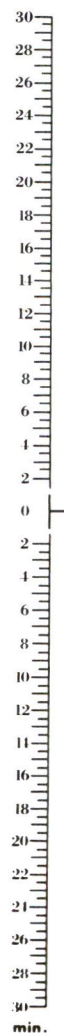


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30 JANUARY 1971

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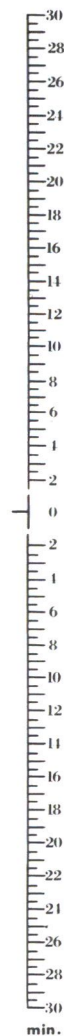
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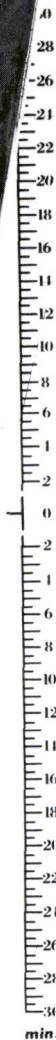
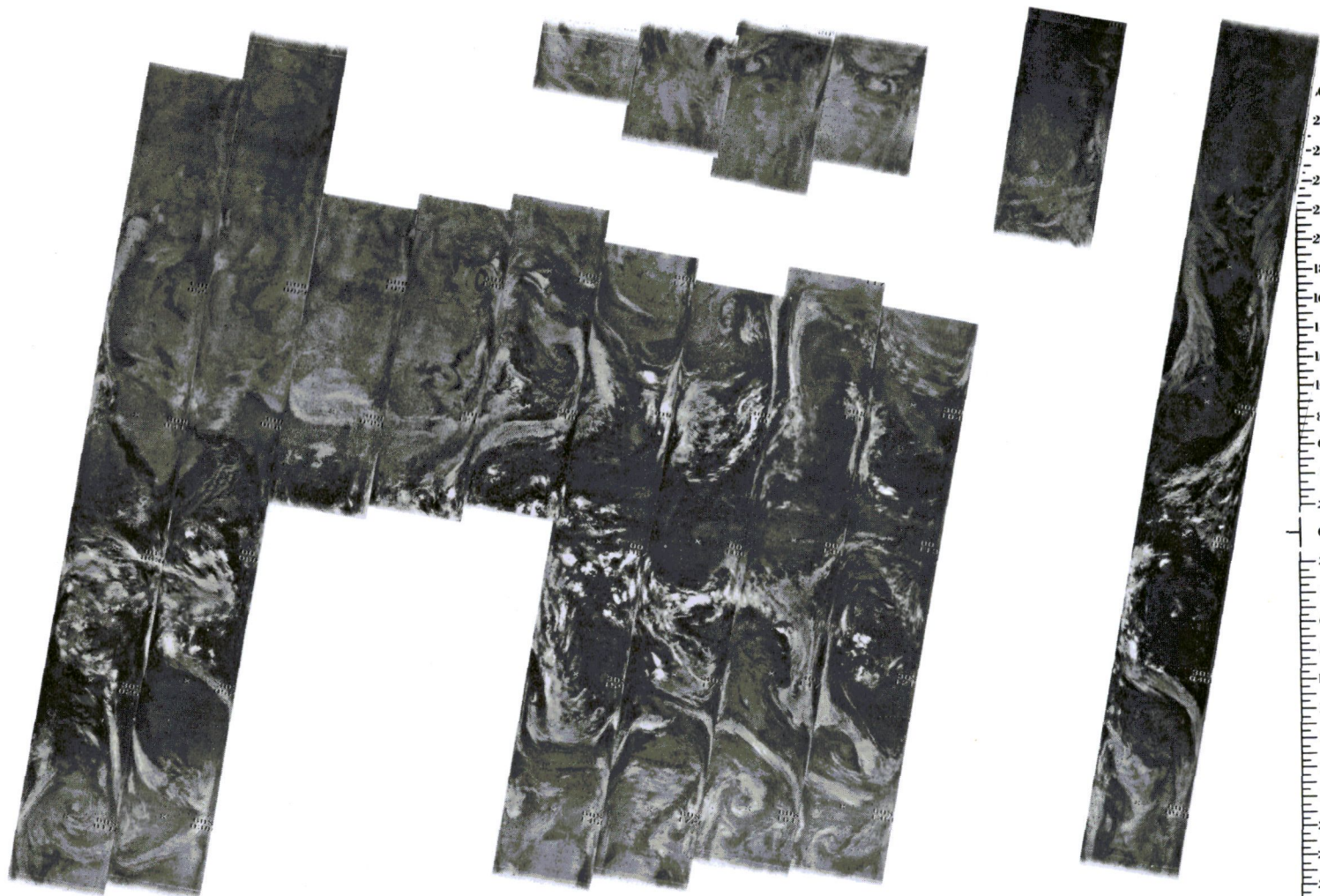
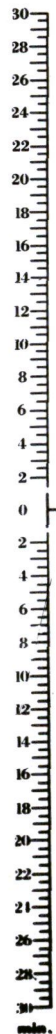


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30 JANUARY 1971

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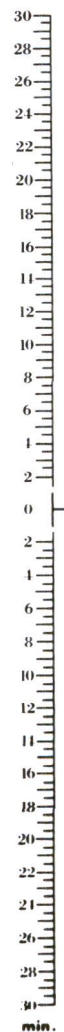


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31 JANUARY 1971

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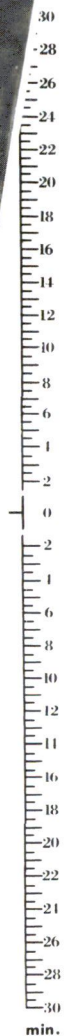




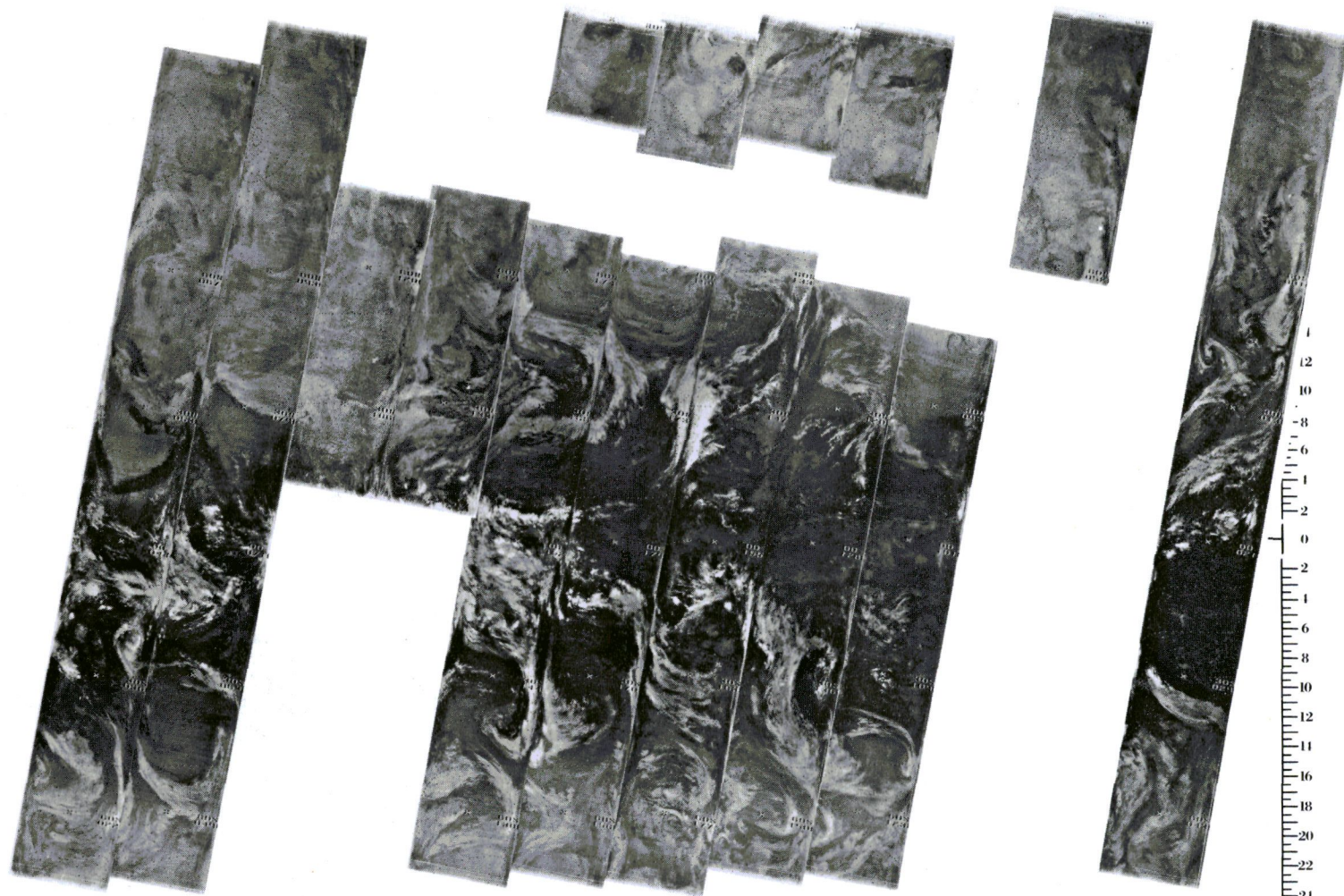
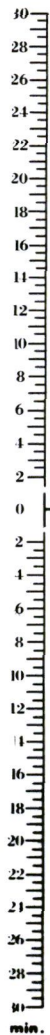
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31 JANUARY 1971

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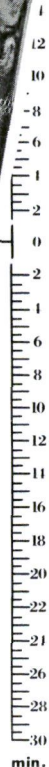
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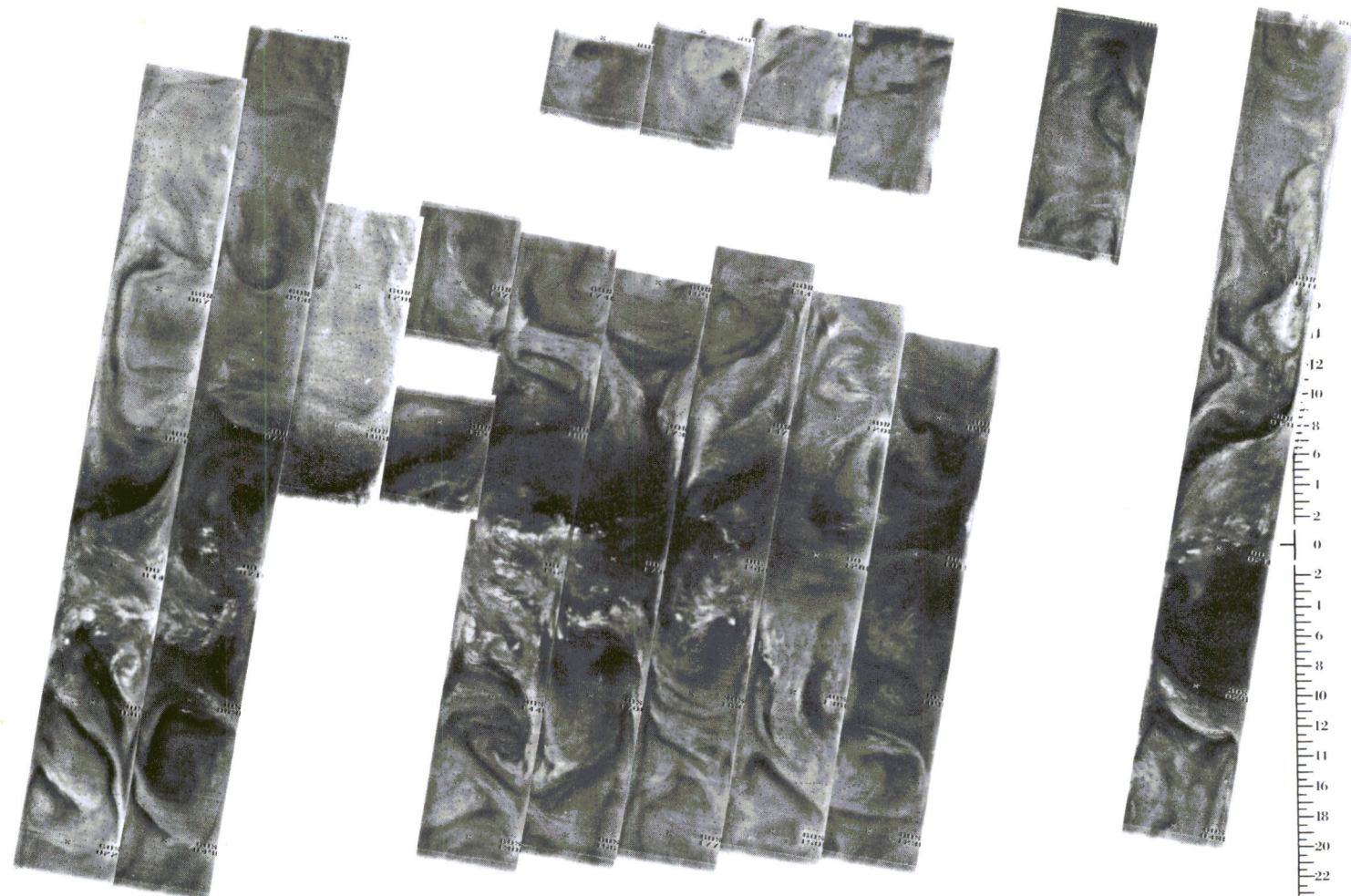
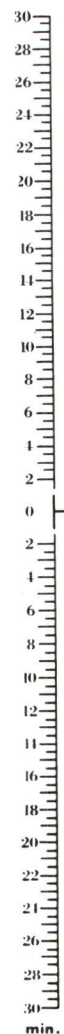
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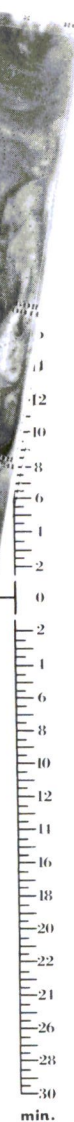


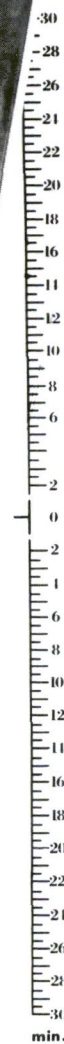
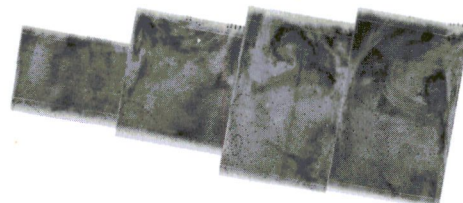
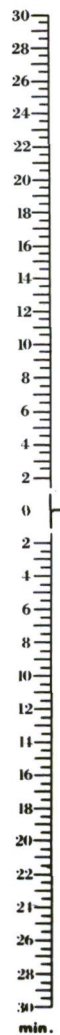


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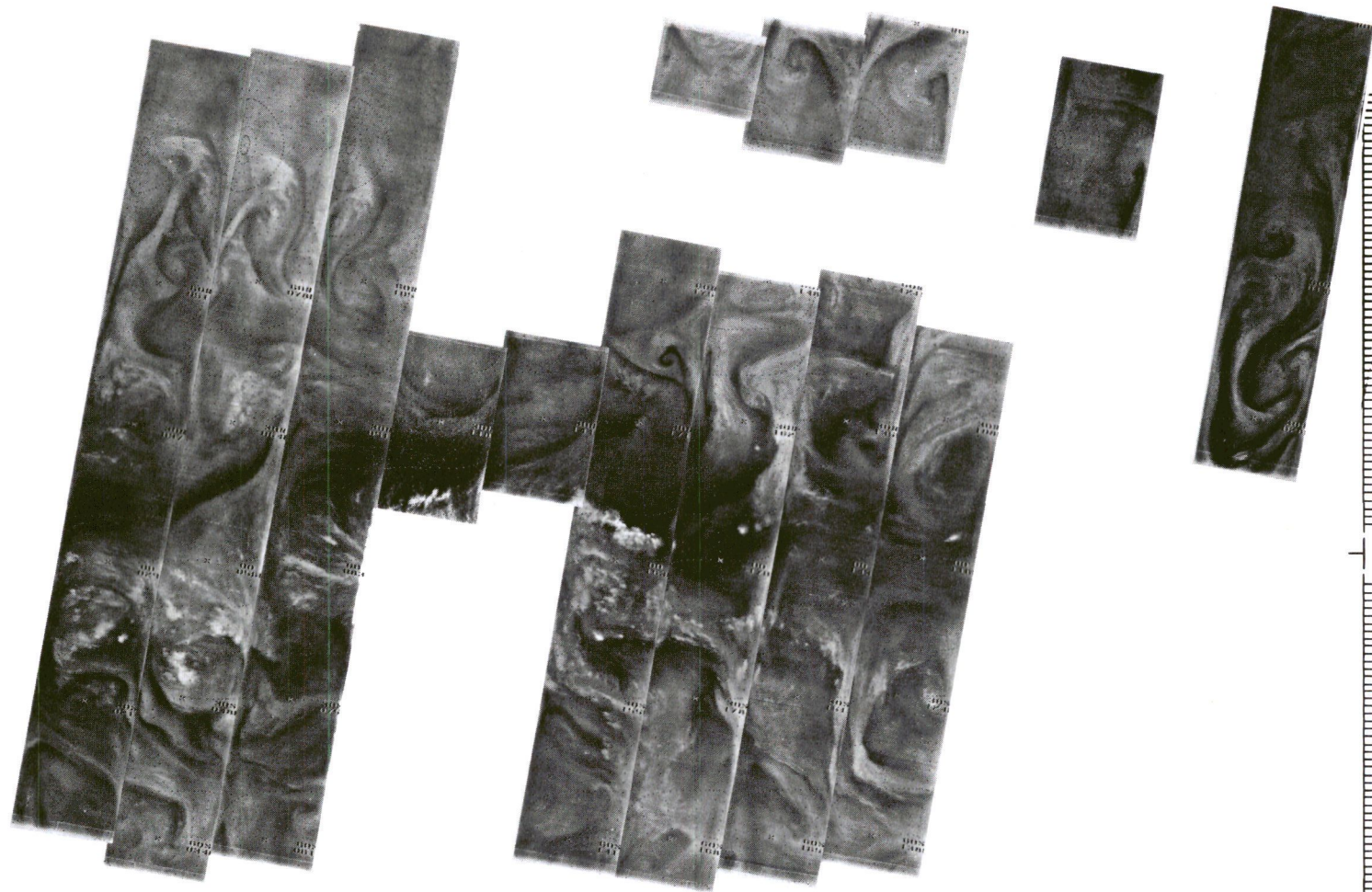
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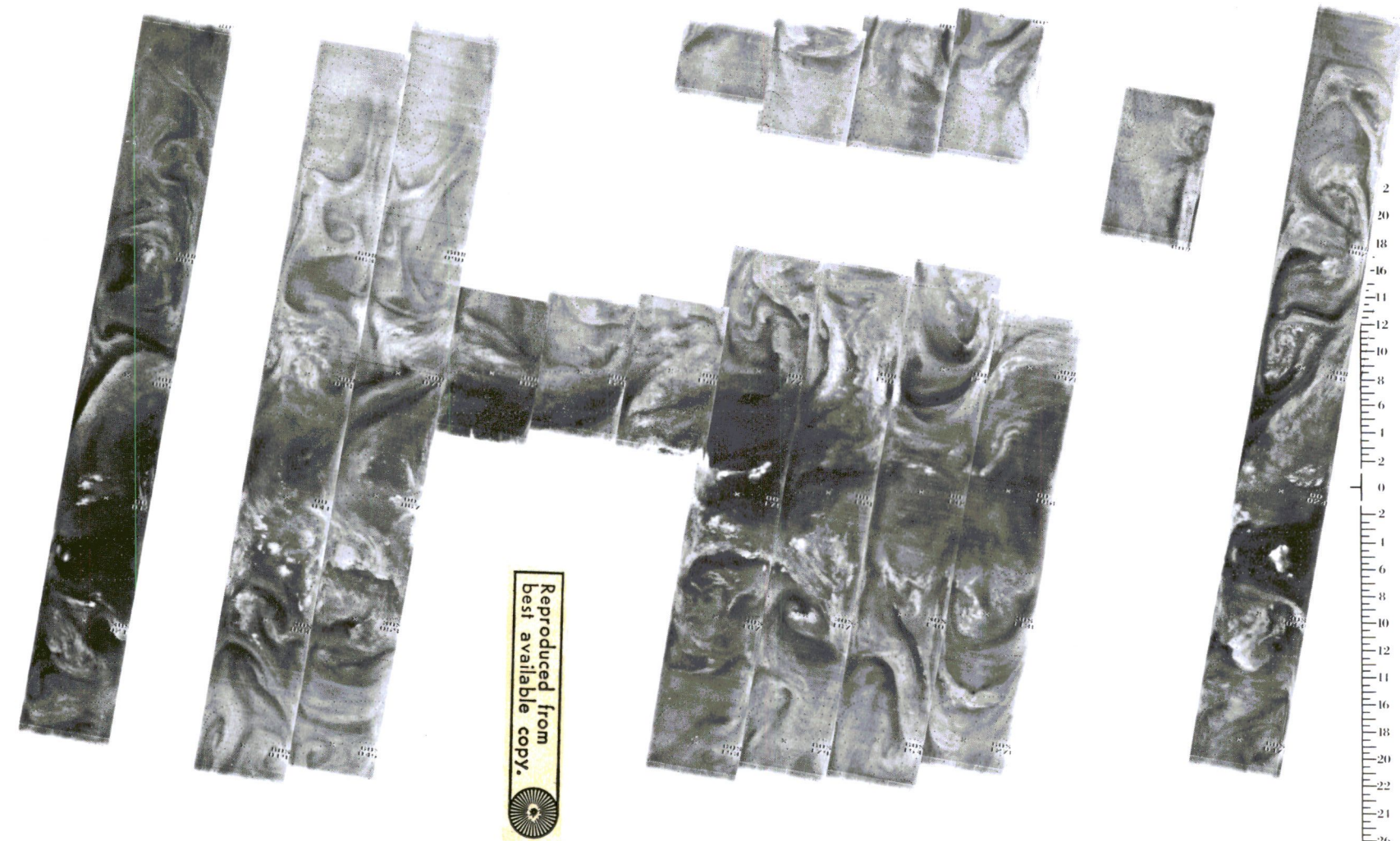
3 FEBRUARY 1971

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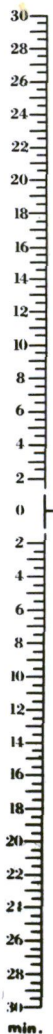
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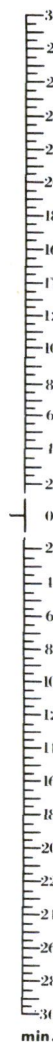
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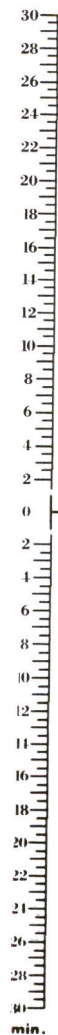
4 FEBRUARY 1971

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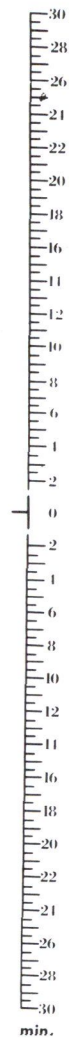
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4 FEBRUARY 1971

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5 FEBRUARY 1971

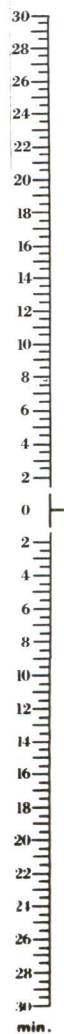
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4-43.



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4077 4076 4075 4074 4073 4072 4071 4070 4069 4068 4067 4066 4065

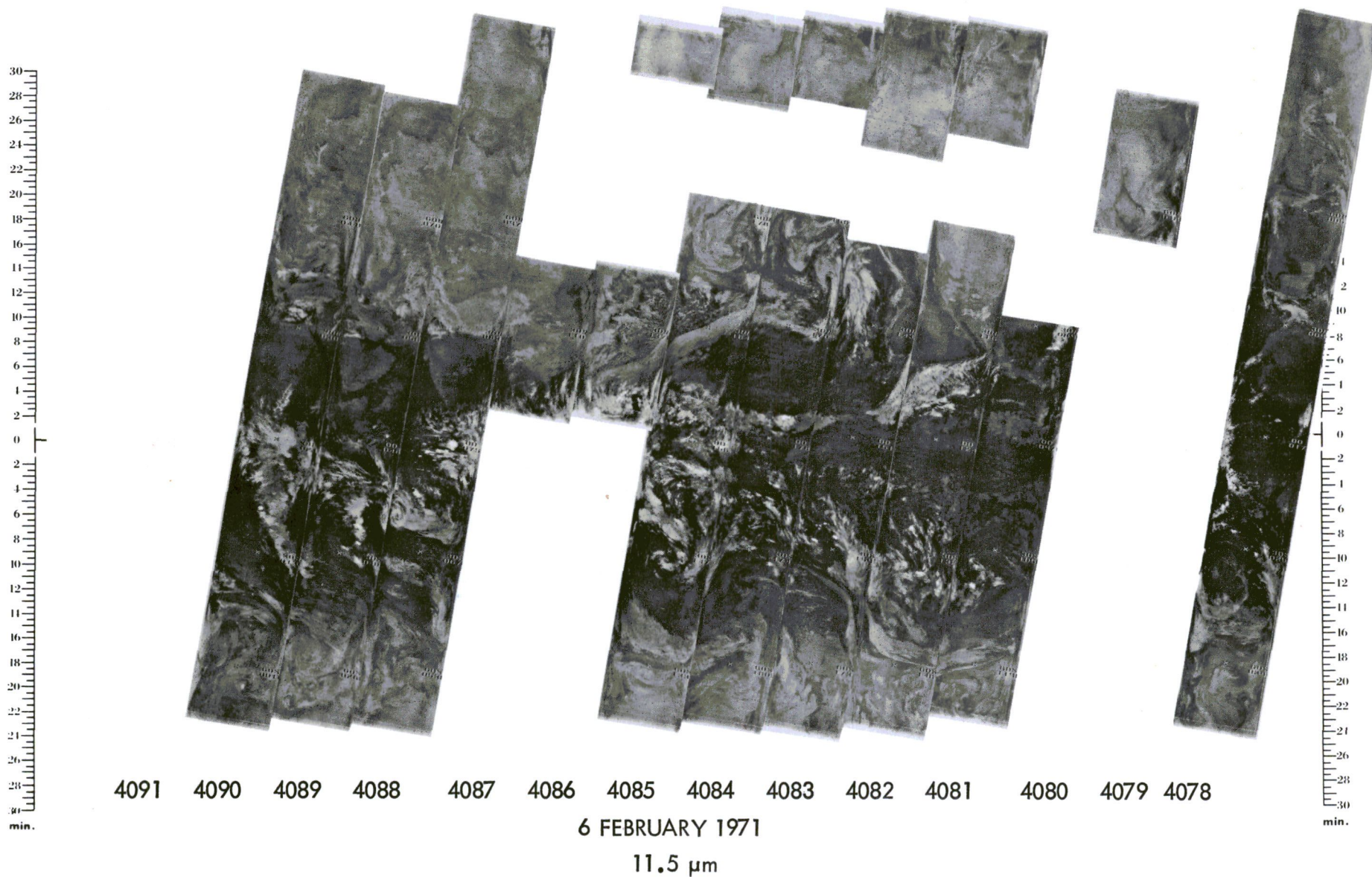
5 FEBRUARY 1971

6.7  $\mu\text{m}$



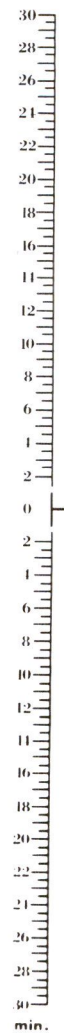


4-44





4-45

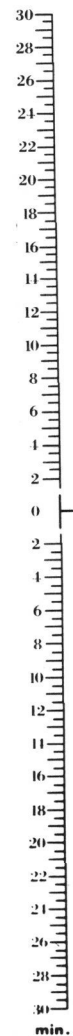


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6 FEBRUARY 1971

6.7  $\mu$ m

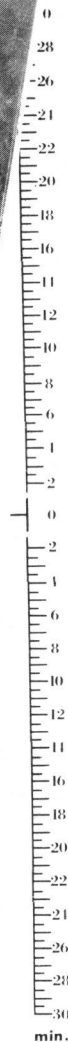




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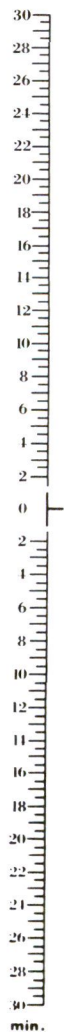
7 FEBRUARY 1971

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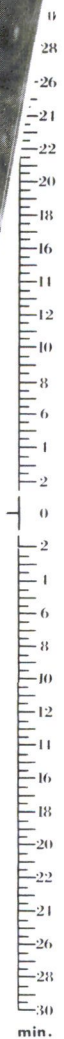
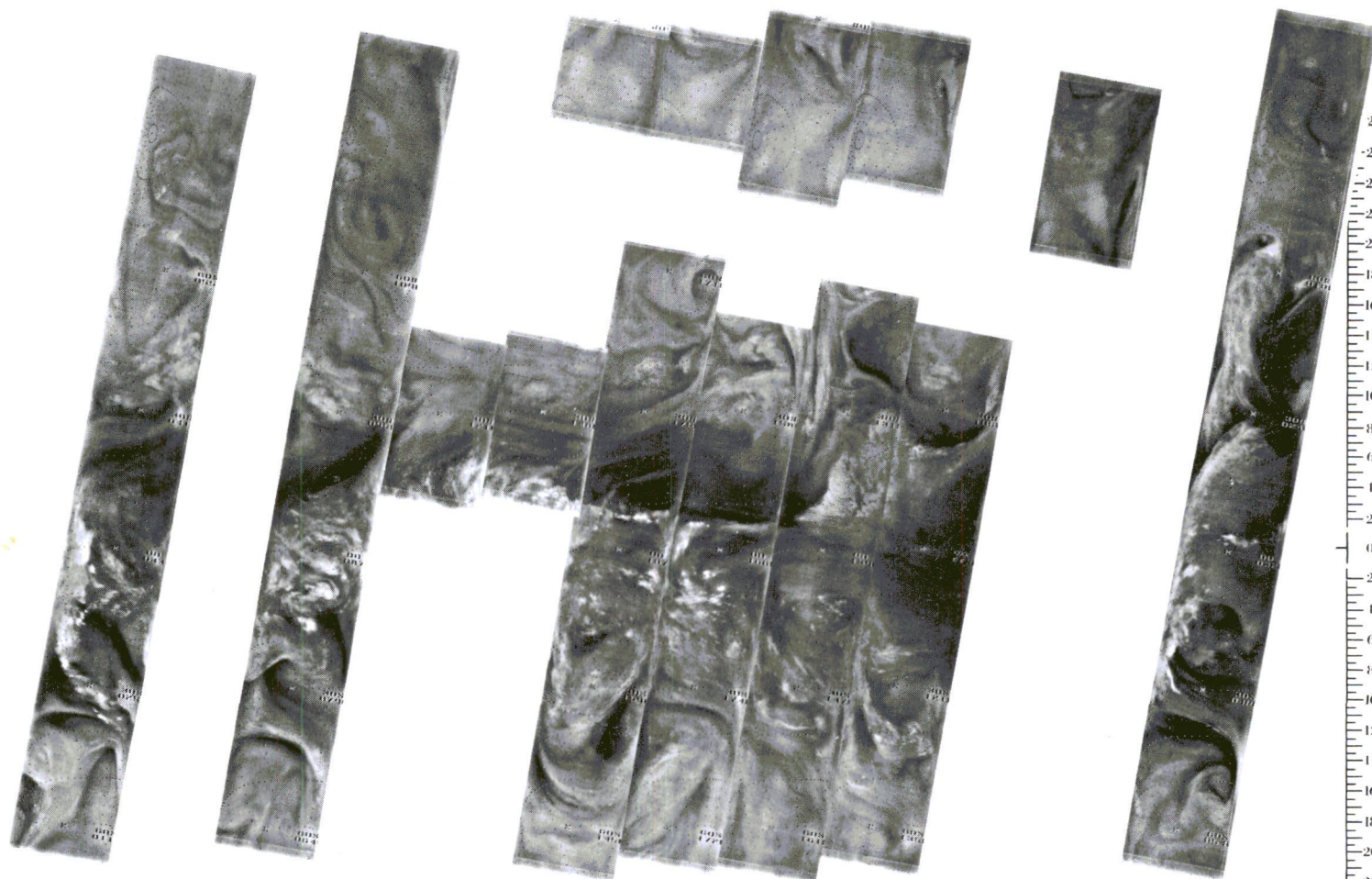




4-47



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4104 4103 4102 4101 4100 4099 4098 4097 4096 4095 4094 4093 4092

7 FEBRUARY 1971

6.7  $\mu$ m

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4118 4117 4116 4115 4114 4113 4112 4111 4110 4109 4108 4107 4106 4105

8 FEBRUARY 1971

11.5  $\mu\text{m}$

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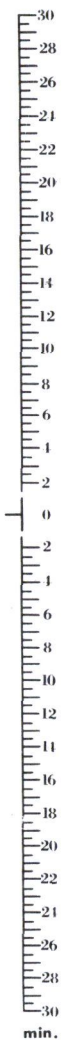
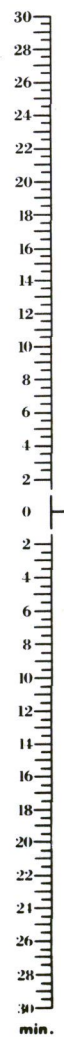


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8 FEBRUARY 1971

6.7  $\mu$ m

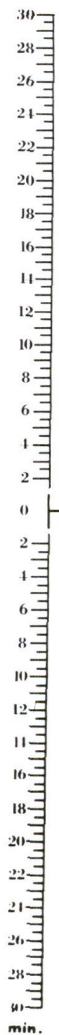


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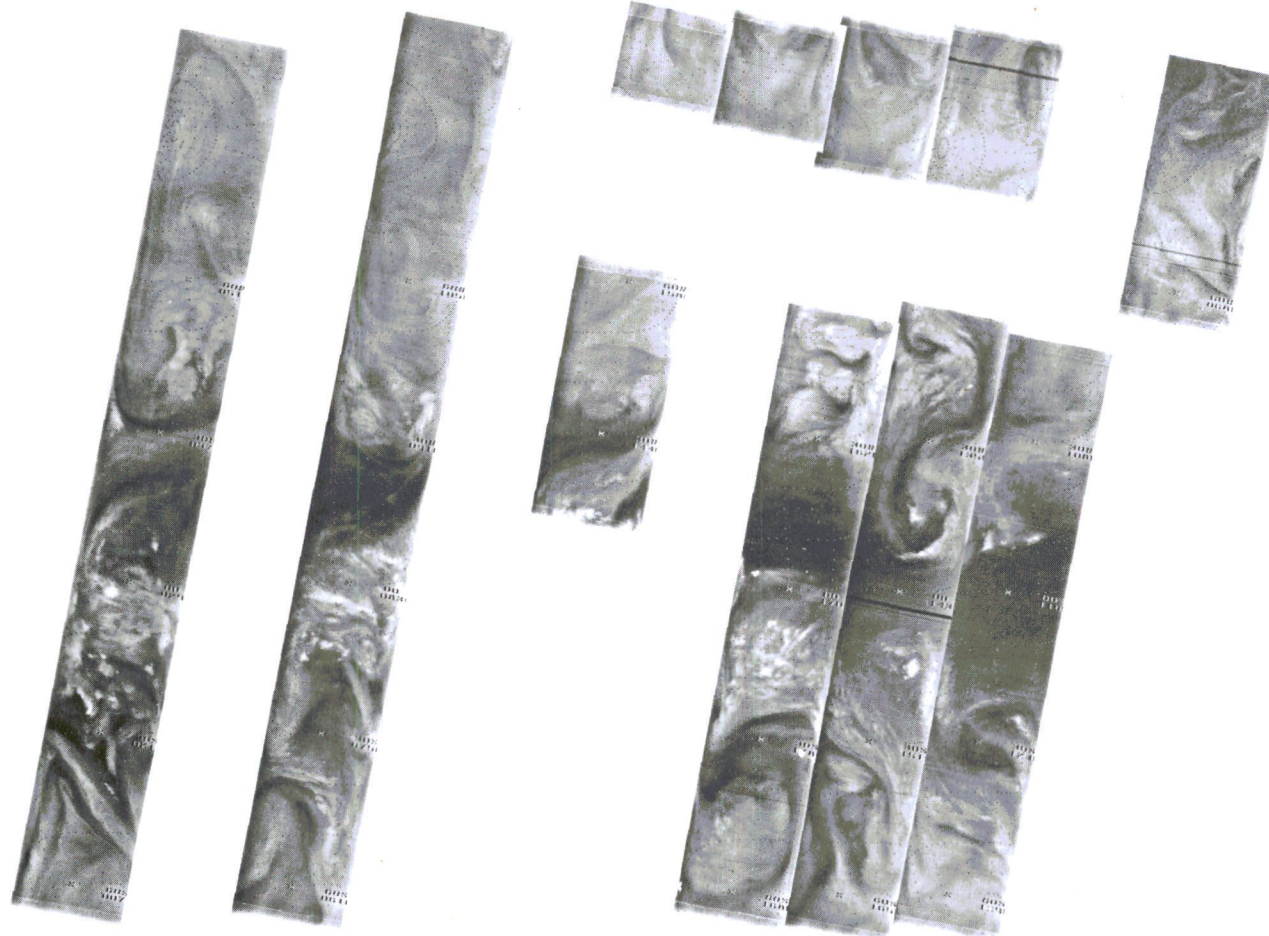
9 FEBRUARY 1971

11.5  $\mu$ m





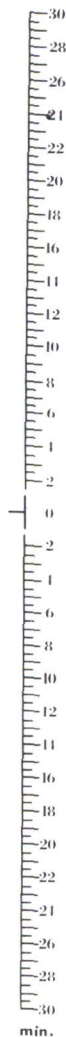
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4131 4130 4129 4128 4127 4126 4125 4124 4123 4122 4121 4120 4119

9 FEBRUARY 1971

6.7  $\mu$ m



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4145 4144 4143 4142 4141 4140 4139 4138 4137 4136 4135 4134 4133 4132

10 FEBRUARY 1971

11.5  $\mu$ m

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10 FEBRUARY 1971

6.7  $\mu\text{m}$

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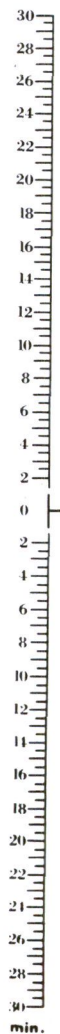
11 FEBRUARY 1971

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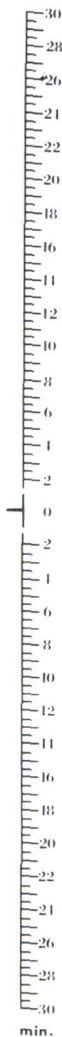


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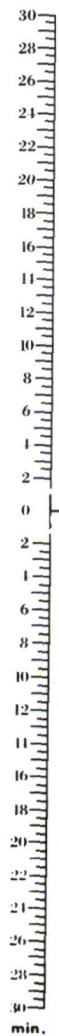
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11 FEBRUARY 1971

6.7  $\mu$ m



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4171 4170 4169 4168 4167 4166 4165 4164 4163 4162 4161 4160 4159

12 FEBRUARY 1971

11.5  $\mu$ m





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4171 4170 4169 4168 4167 4166 4165 4164 4163 4162 4161 4160 4159

12 FEBRUARY 1971

6.7  $\mu$ m

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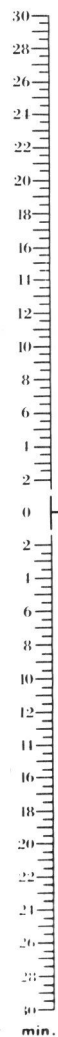
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13 FEBRUARY 1971

11.5  $\mu\text{m}$



4-59



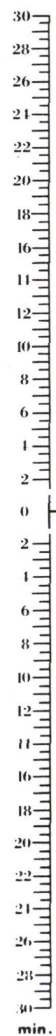
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13 FEBRUARY 1971

6.7  $\mu\text{m}$



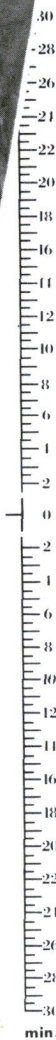
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14 FEBRUARY 1971

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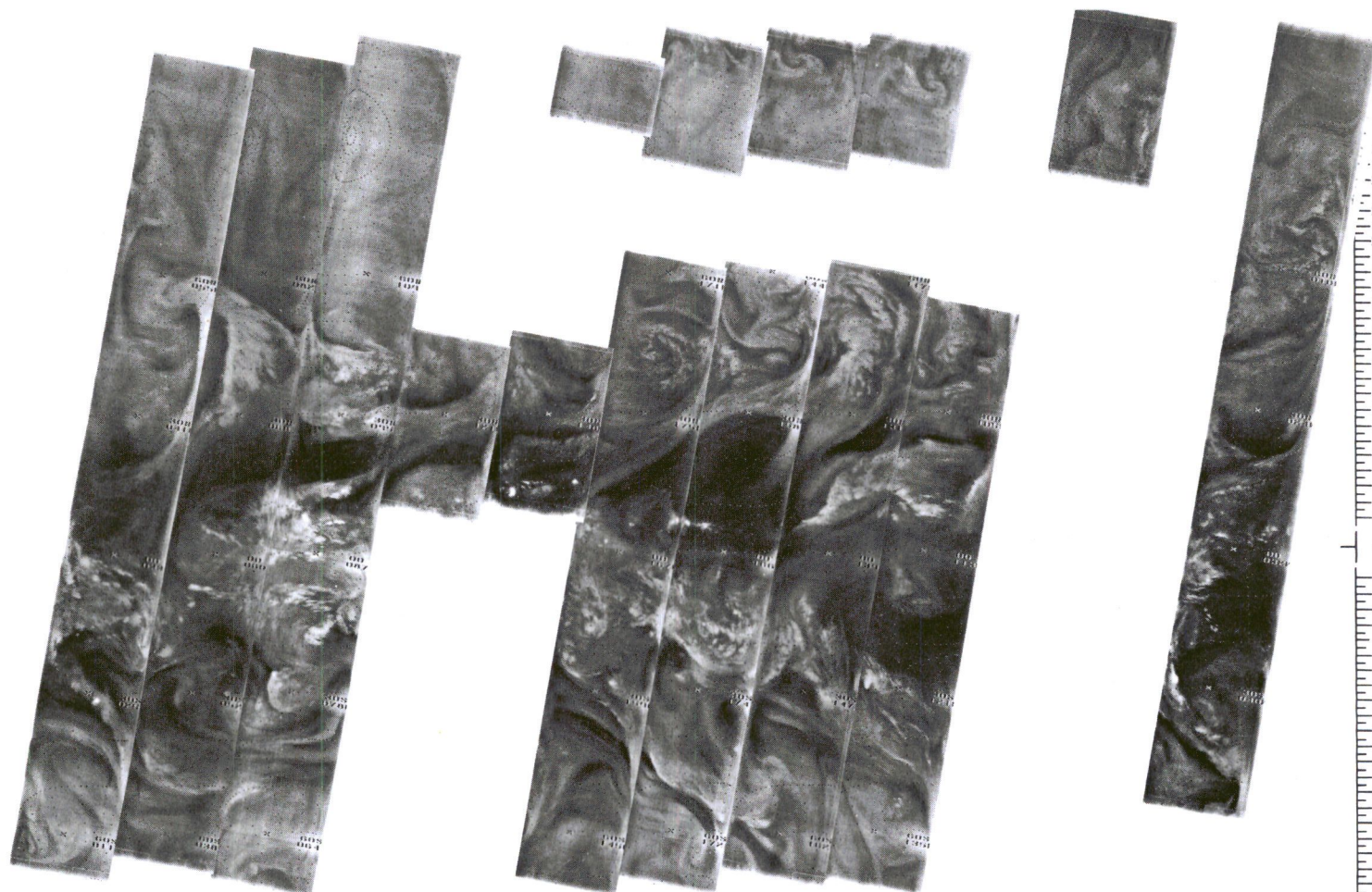
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14 FEBRUARY 1971

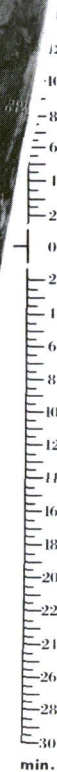
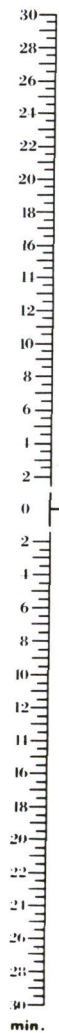
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4-62

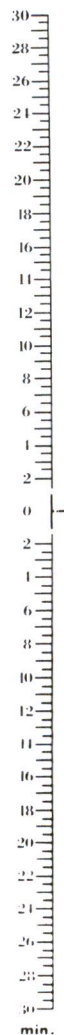


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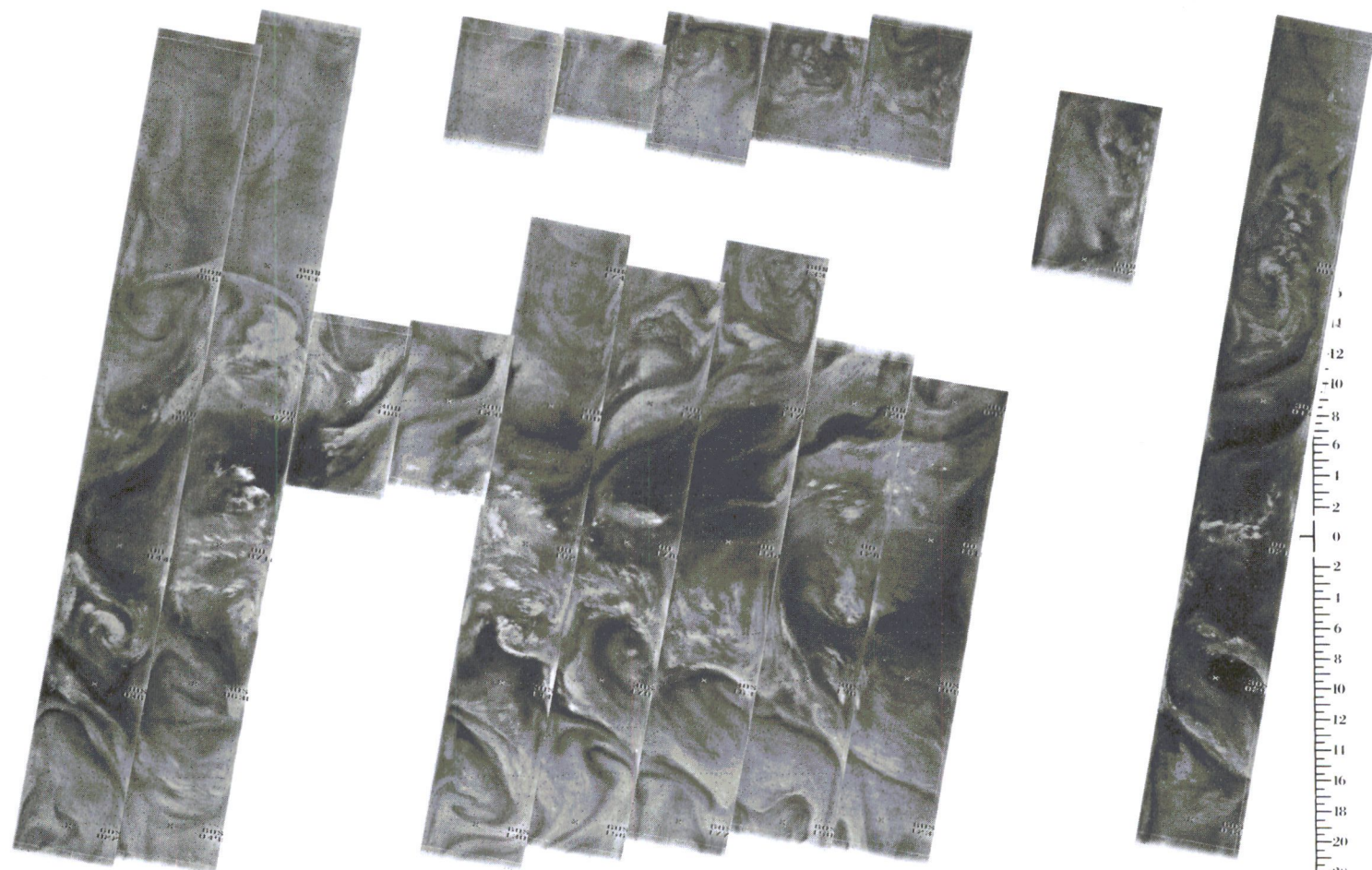
15 FEBRUARY 1971

11.5  $\mu\text{m}$





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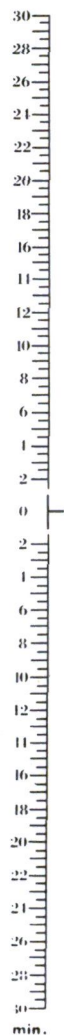


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15 FEBRUARY 1971

6.7  $\mu$ m

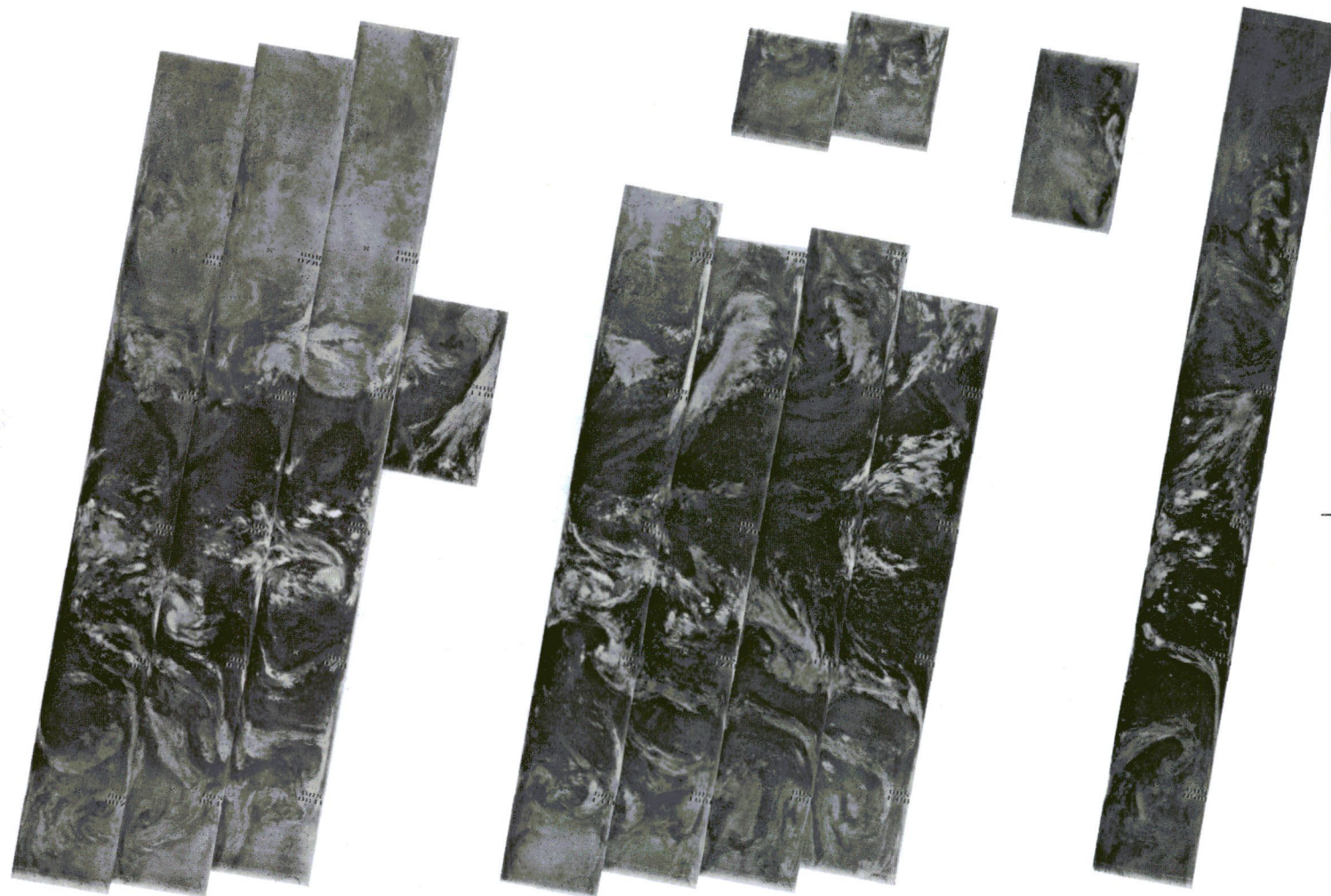
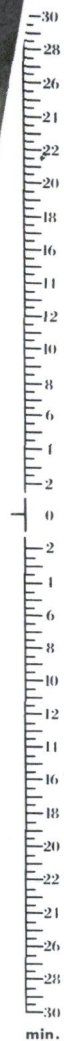




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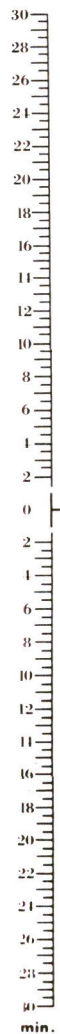
16 FEBRUARY 1971

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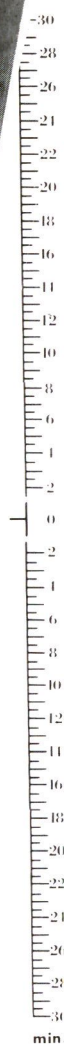
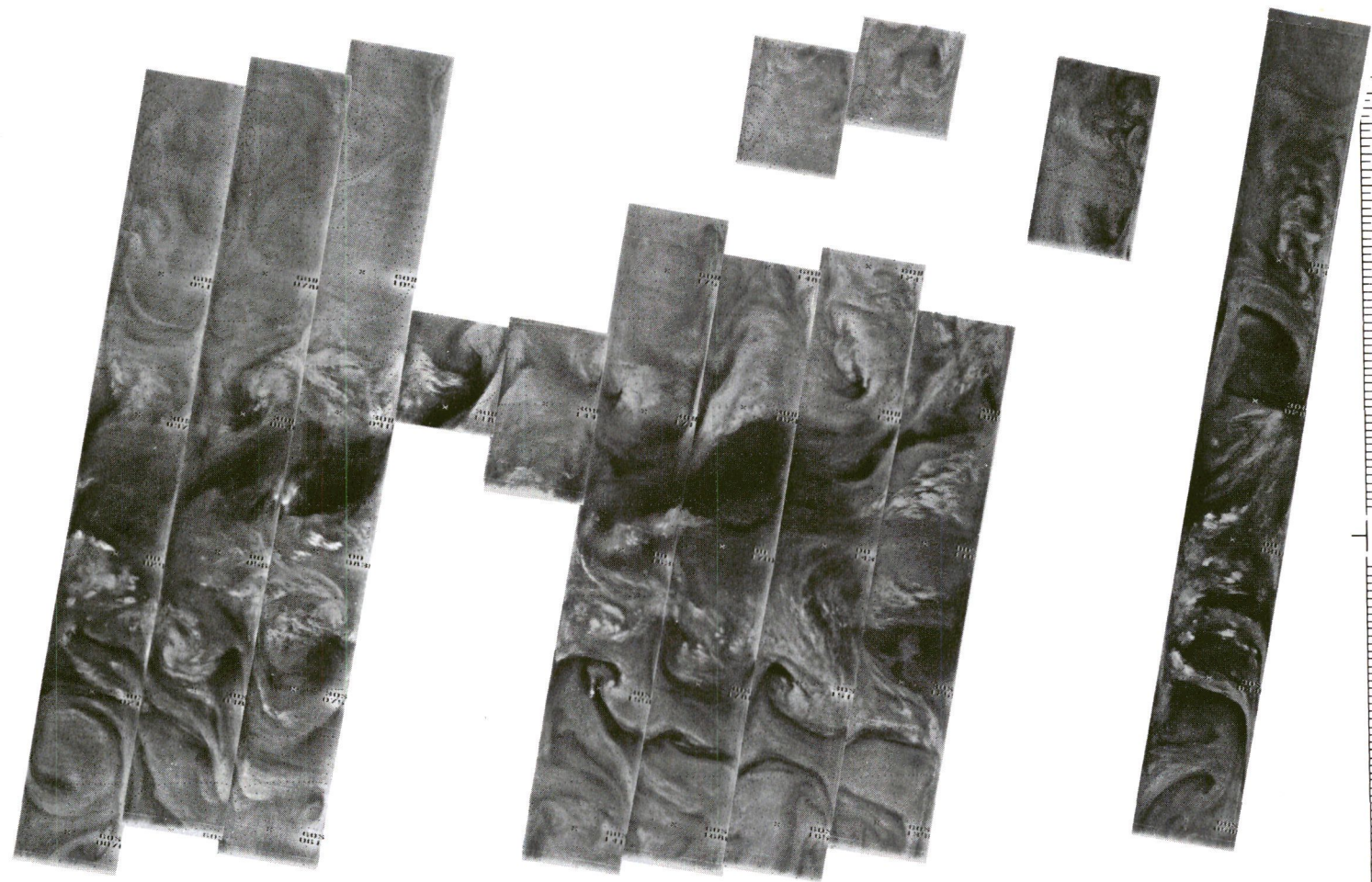
4-65



4225 4224 4223 4222 4221 4220 4219 4218 4217 4216 4215 4214 4213

16 FEBRUARY 1971

6.7  $\mu\text{m}$





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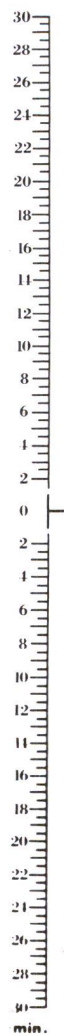
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4239 4238 4237 4236 4235 4234 4233 4232 4231 4230 4229 4228 4227 4226

17 FEBRUARY 1971

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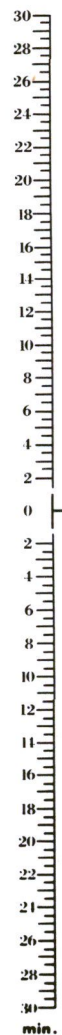
17 FEBRUARY 1971

6.7  $\mu$ m

4-67

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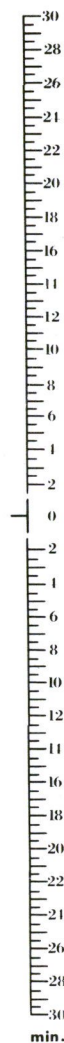
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18 FEBRUARY 1971

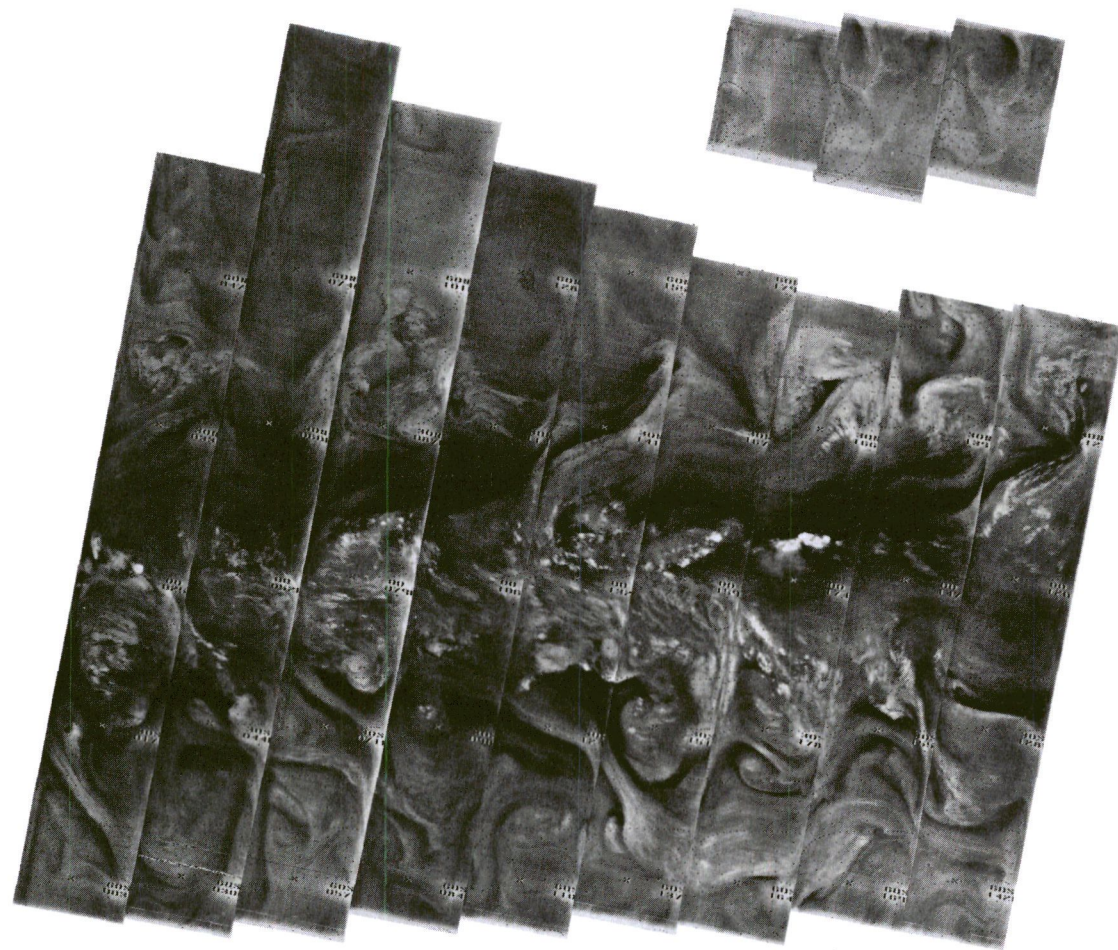
11.5  $\mu$ m





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18 FEBRUARY 1971

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19 FEBRUARY 1971

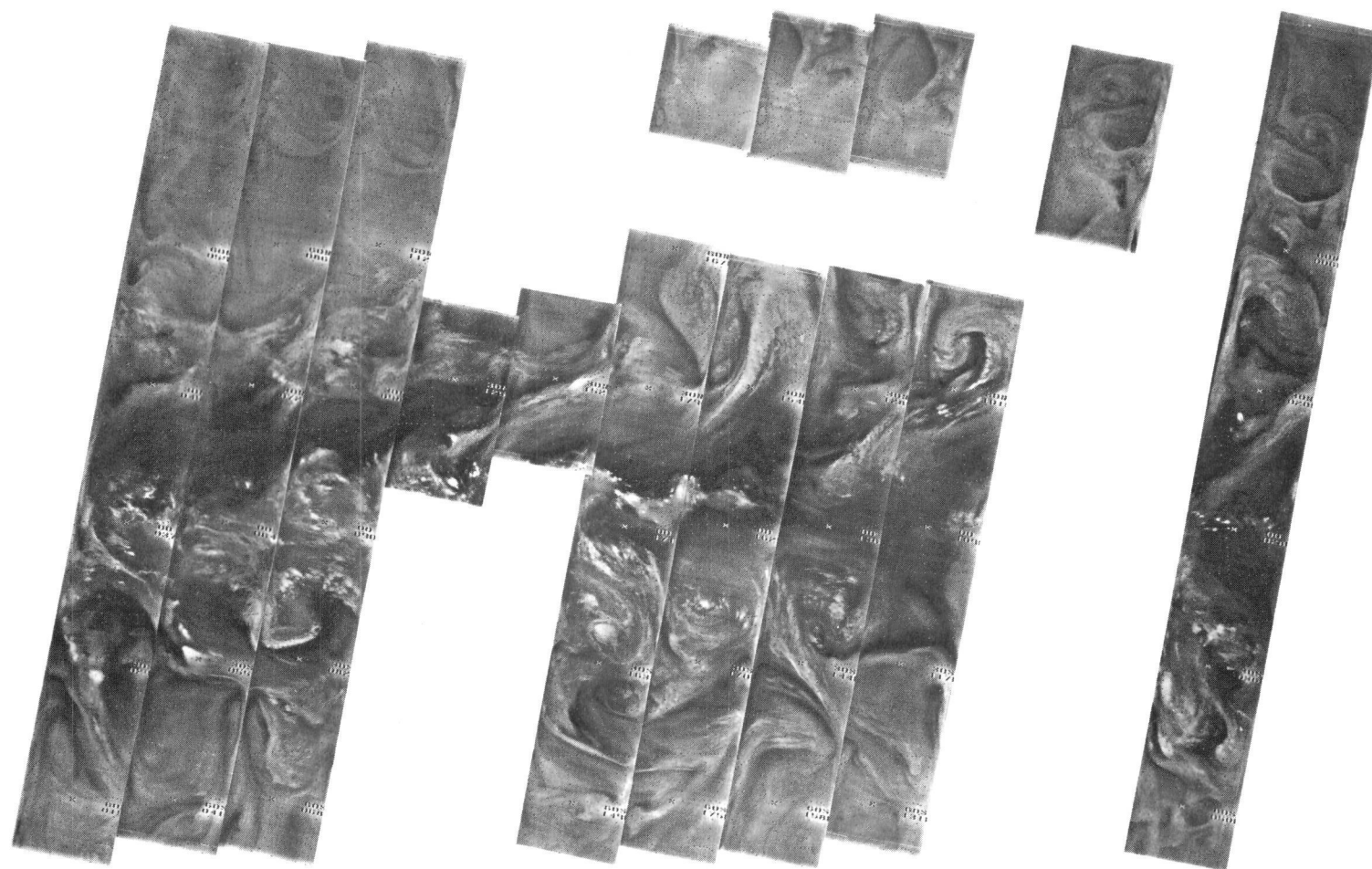
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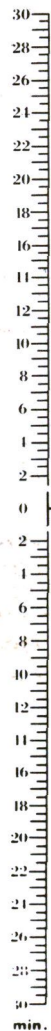
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19 FEBRUARY 1971

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4279 4278 4277 4276 4275 4274 4273 4272 4271 4270 4269 4268 4267 4266

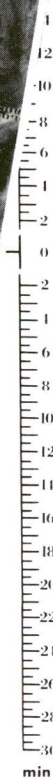
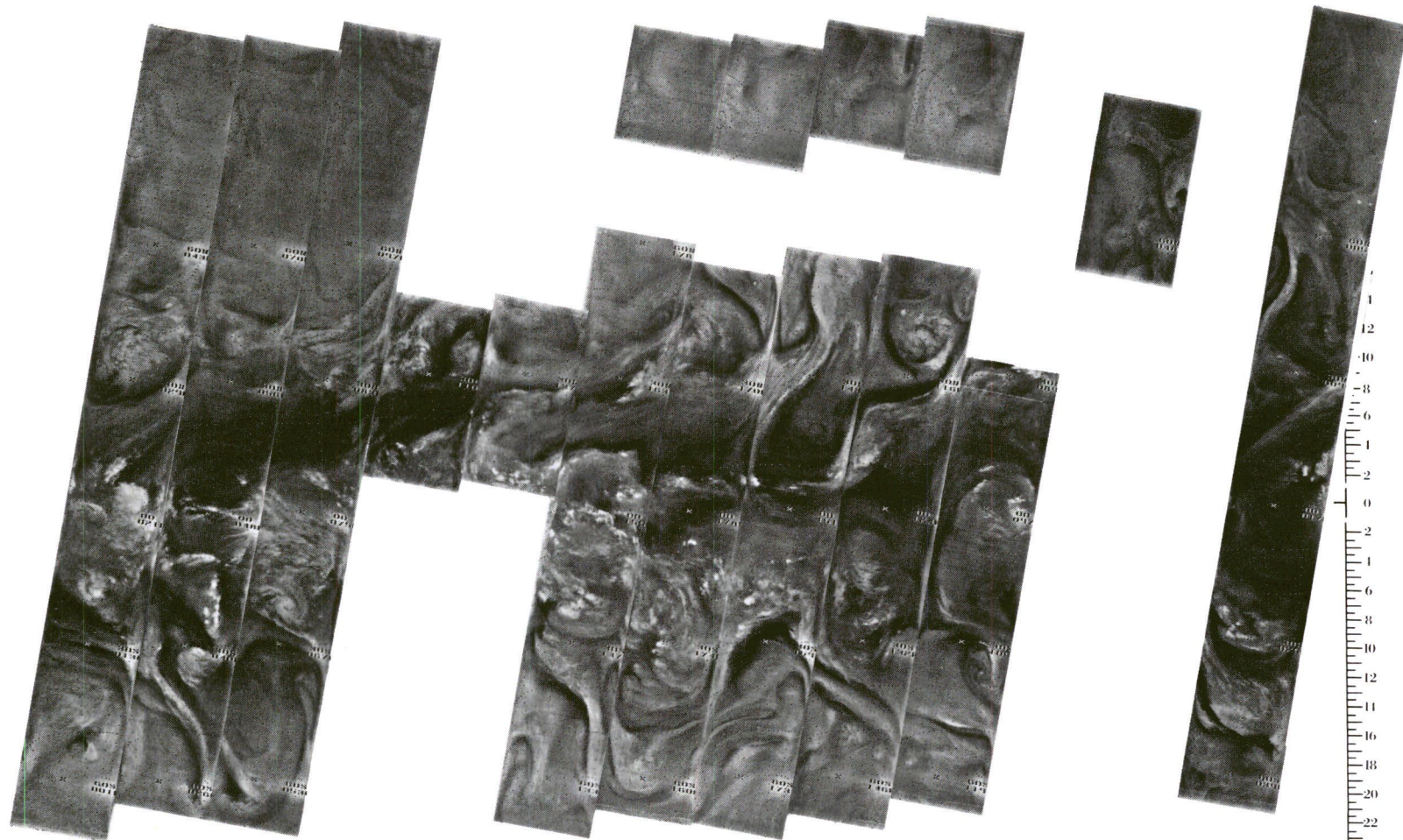
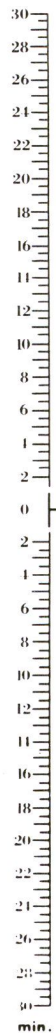
20 FEBRUARY 1971

11.5  $\mu$ m





4-73

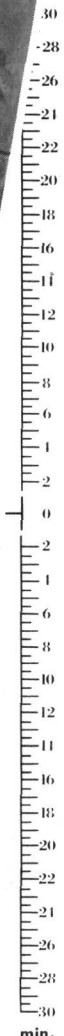
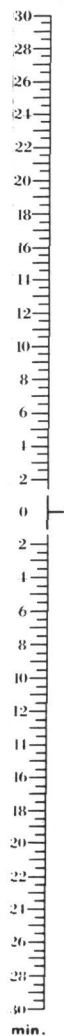


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20 FEBRUARY 1971

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4-74



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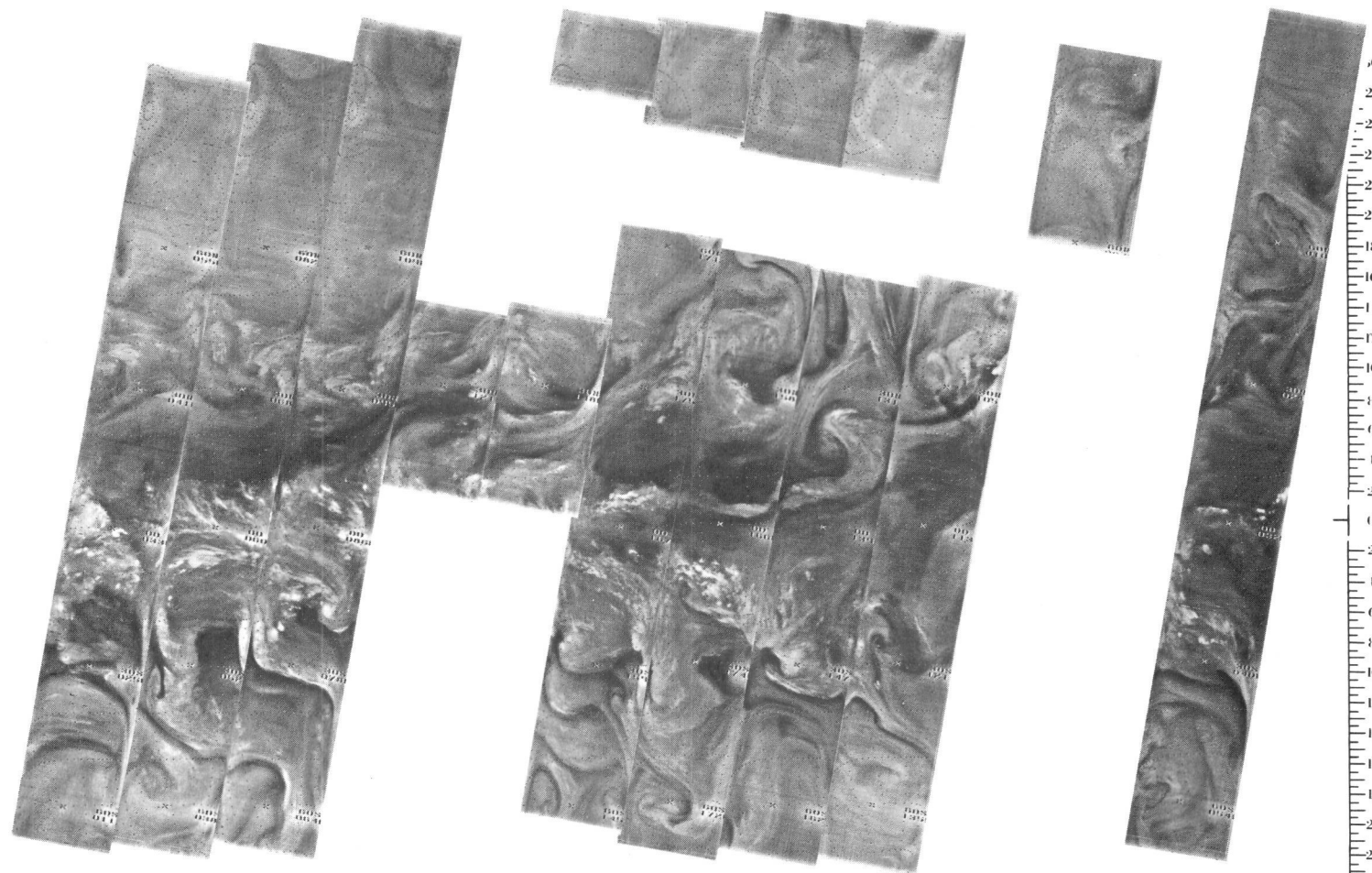
21 FEBRUARY 1971

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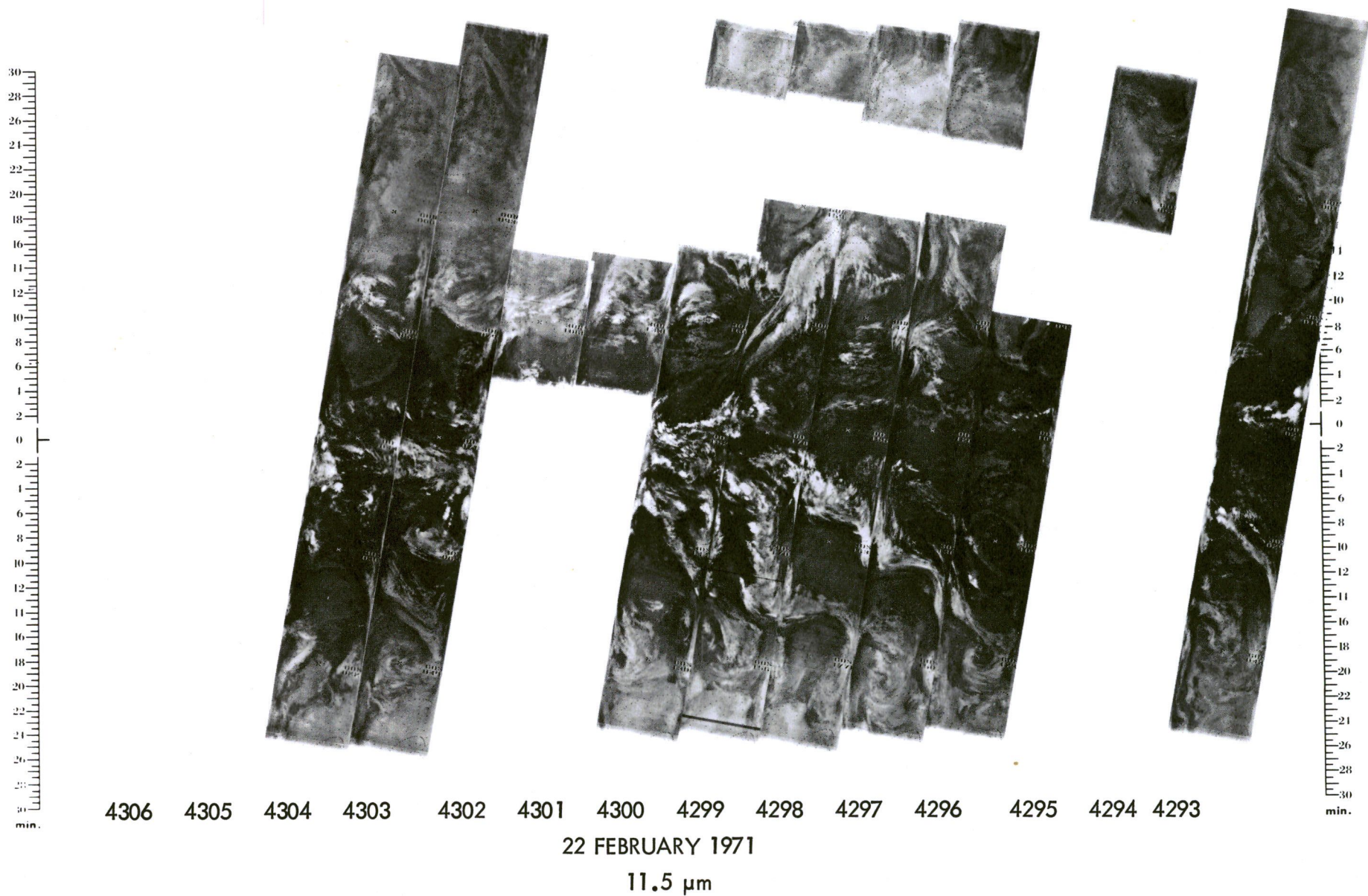


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21 FEBRUARY 1971

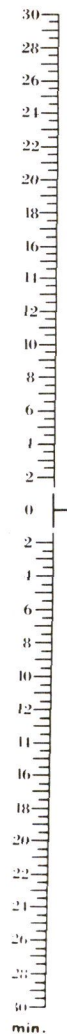
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4306 4305 4304 4303 4302 4301 4300 4299 4298 4297 4296 4295 4294 4293

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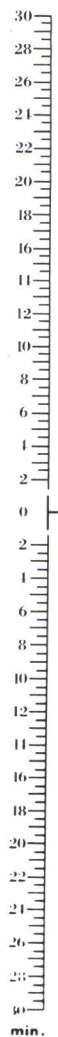
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23 FEBRUARY 1971

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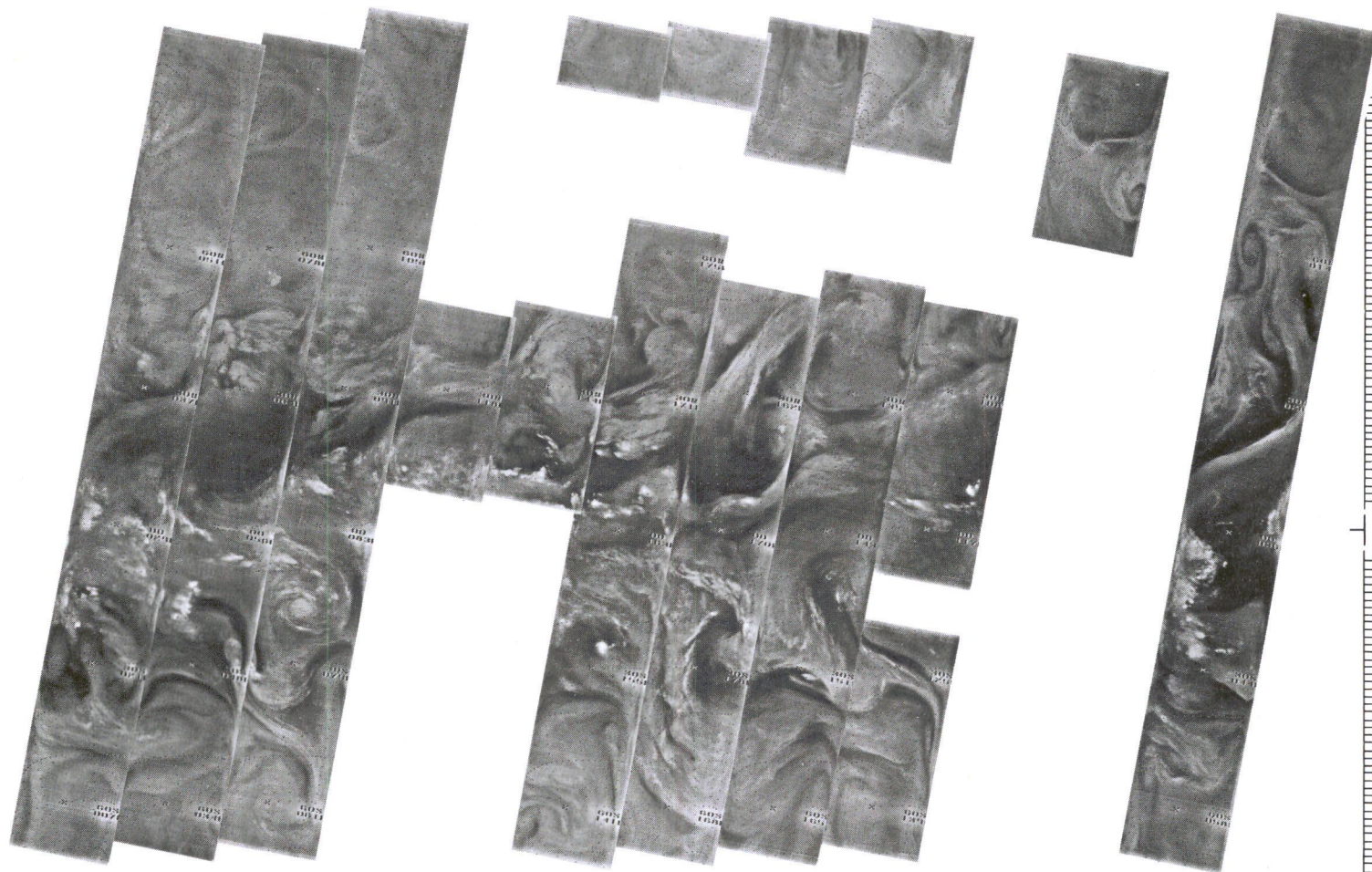
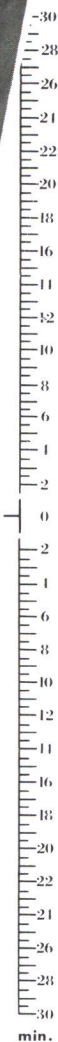


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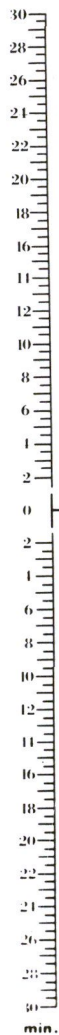
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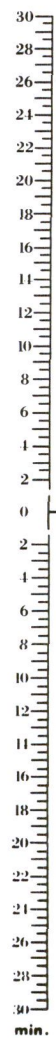


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24 FEBRUARY 1971

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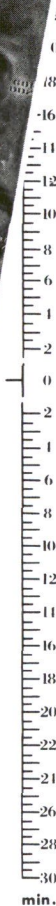
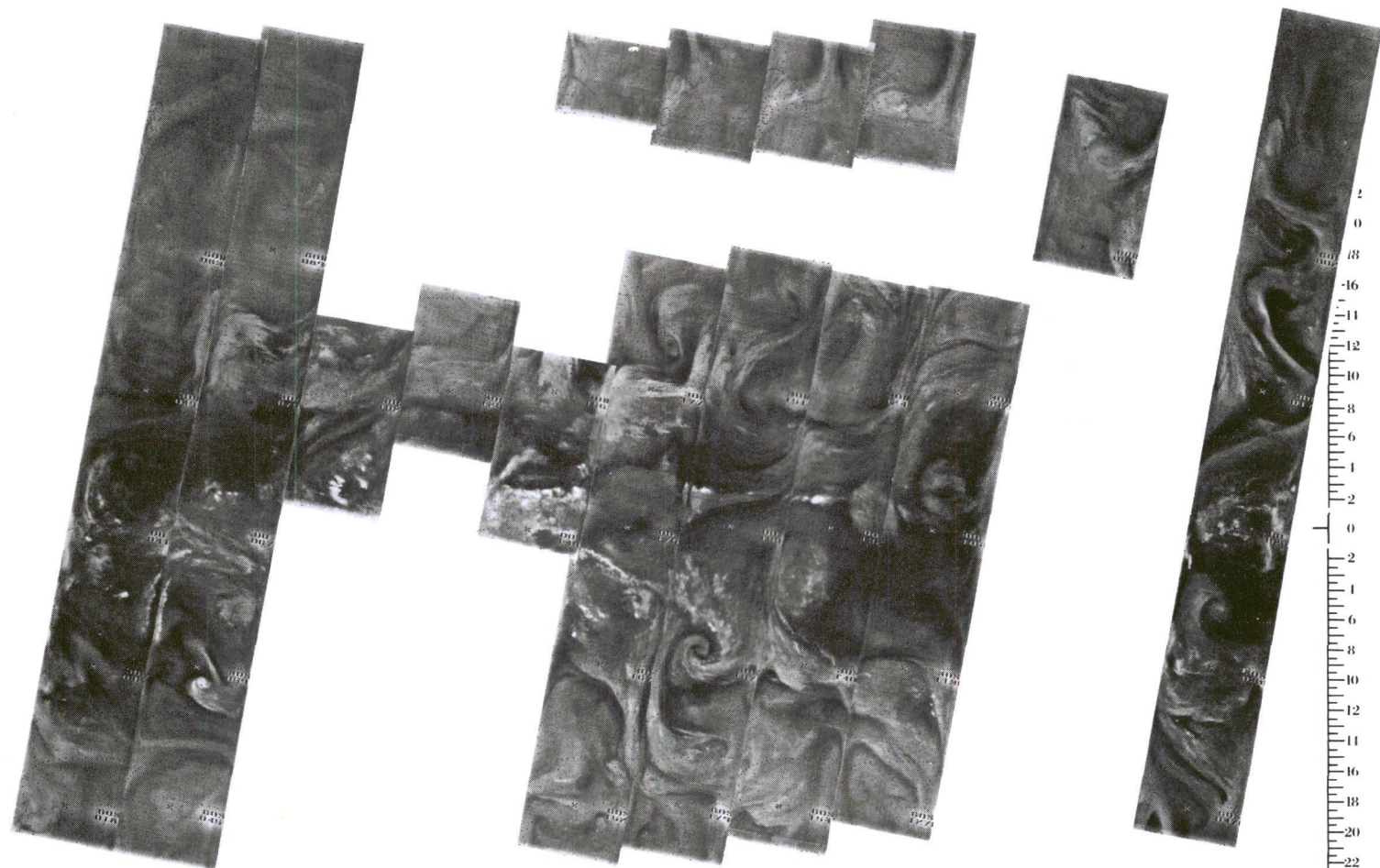




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24 FEBRUARY 1971

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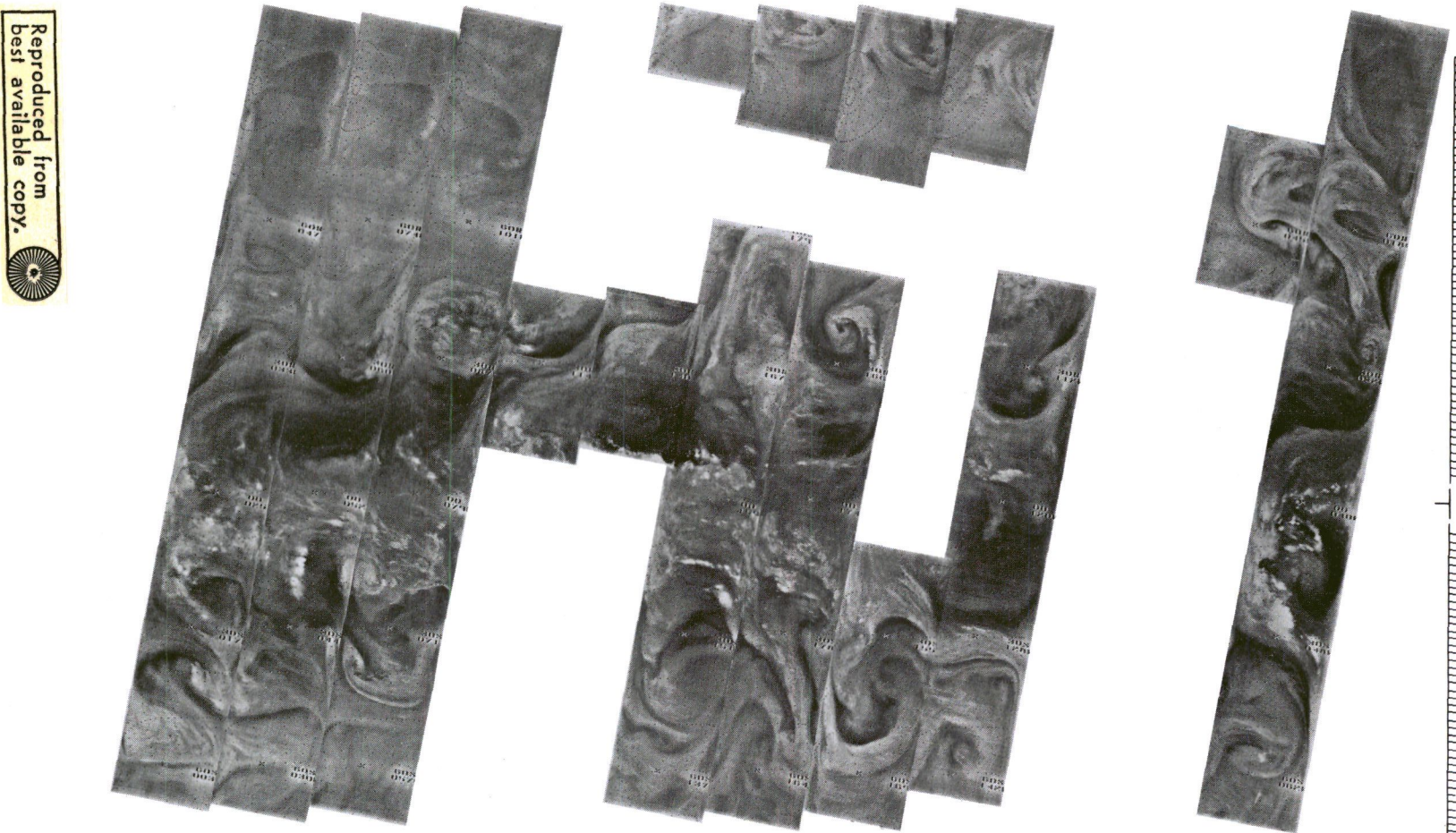
25 FEBRUARY 1971

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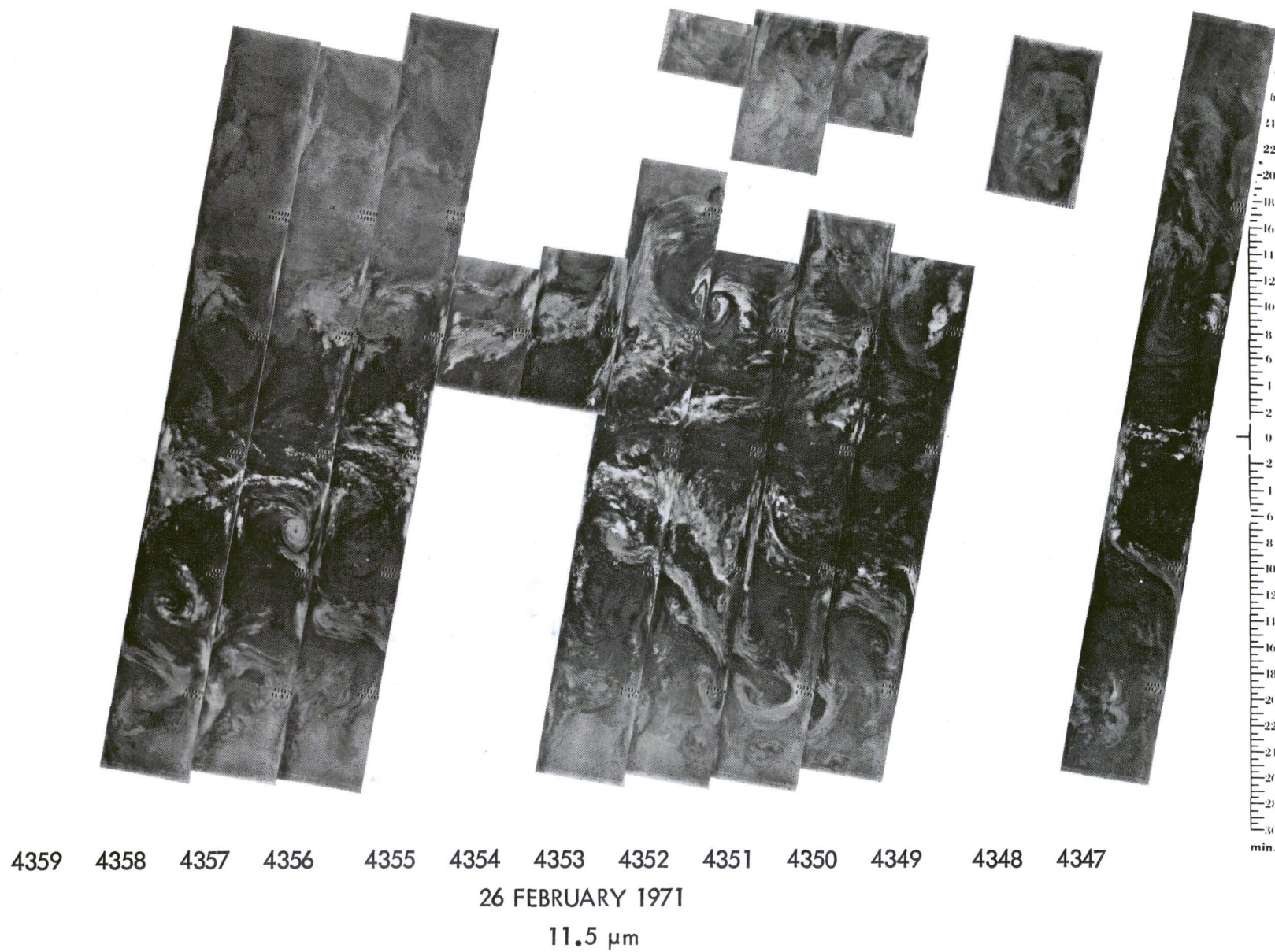
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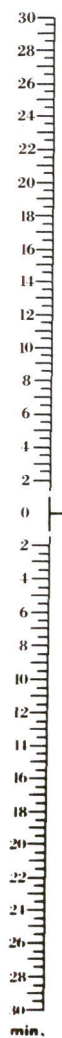
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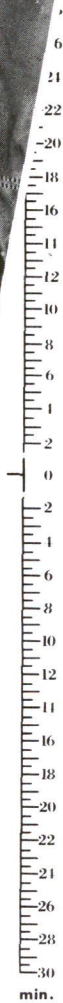




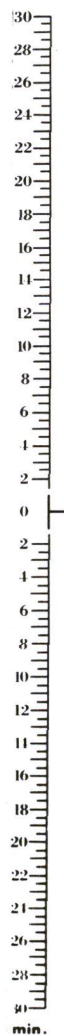
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27 FEBRUARY 1971

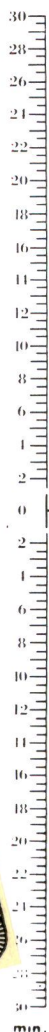
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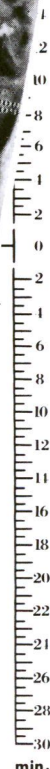
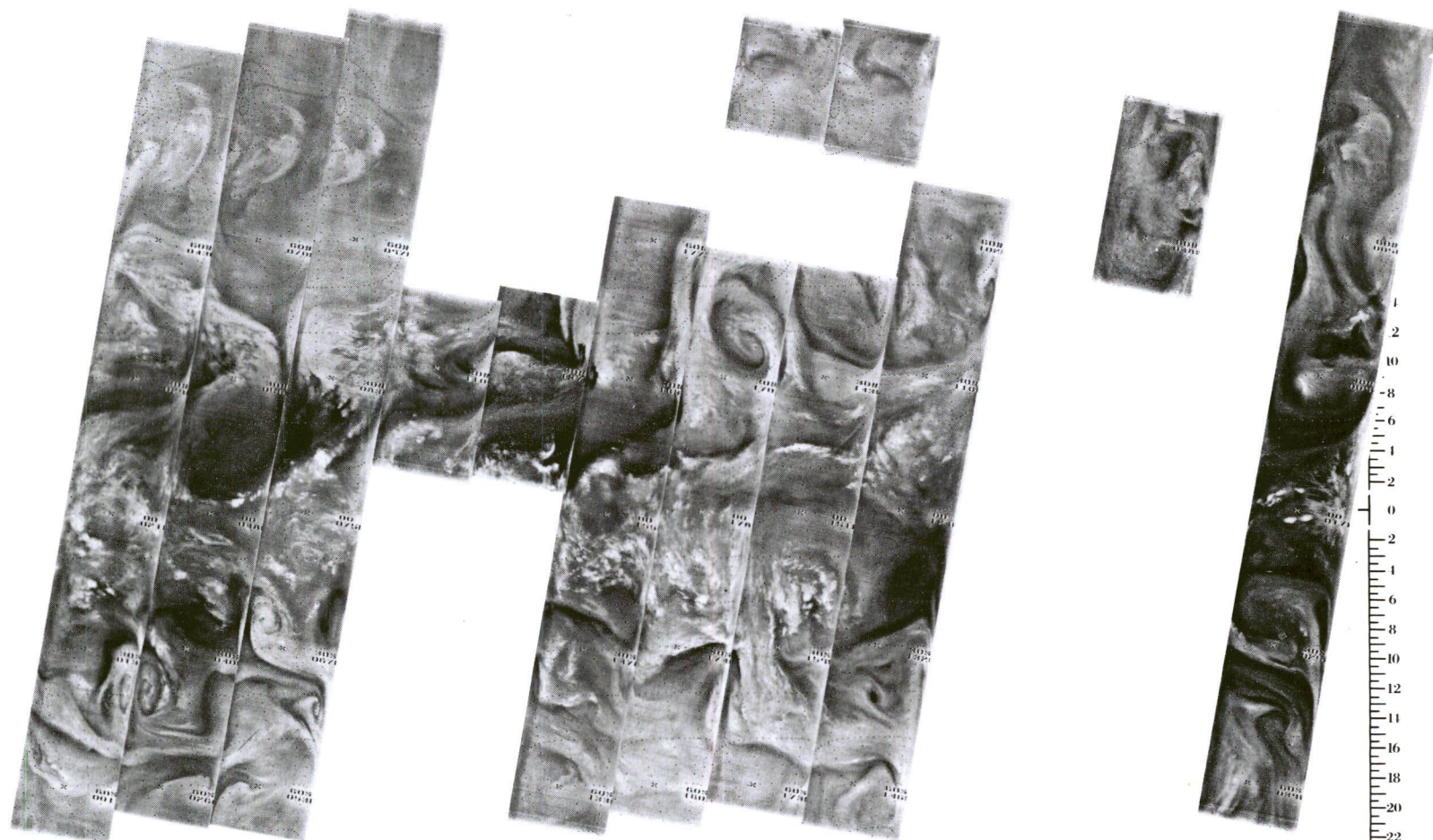
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27 FEBRUARY 1971

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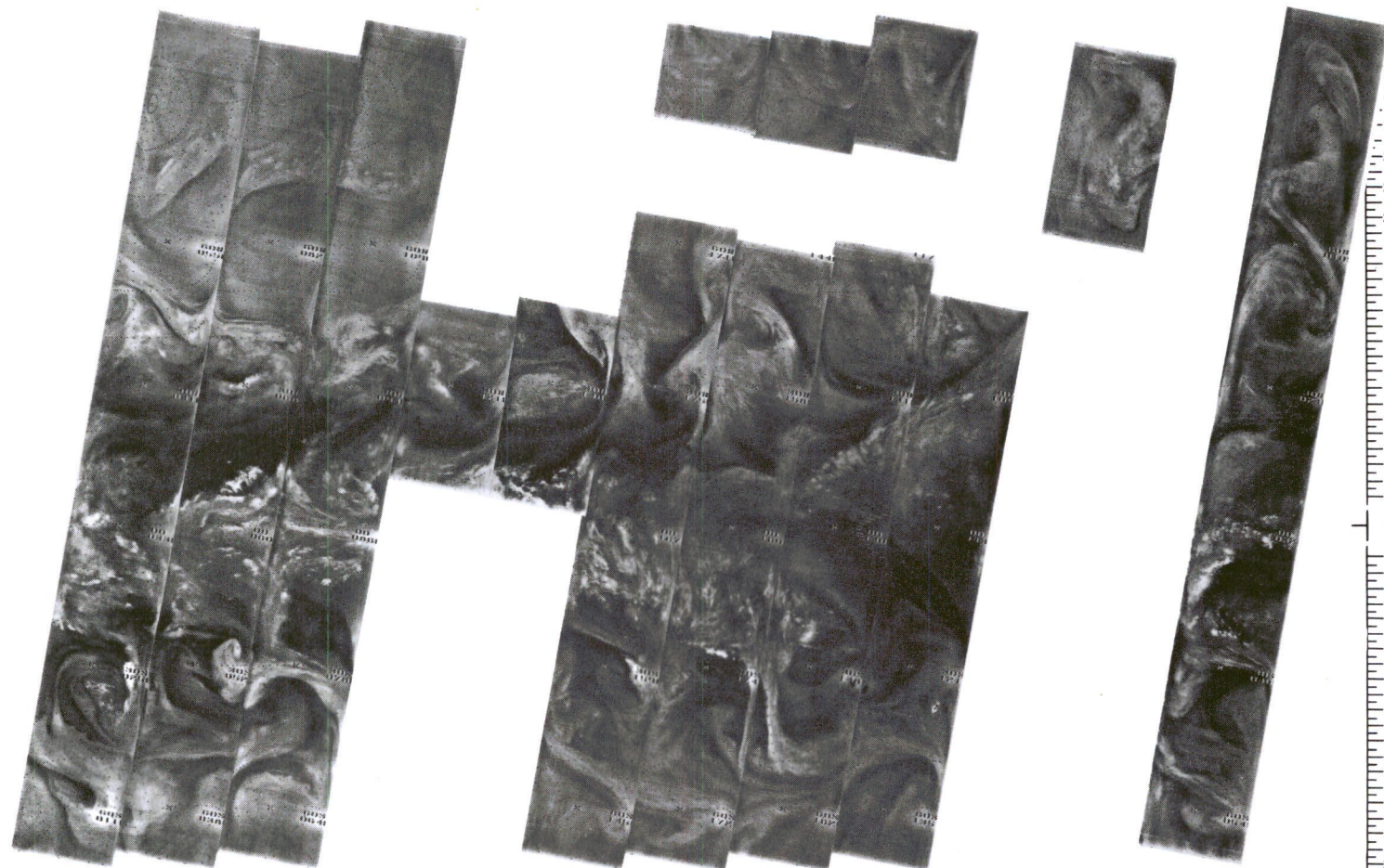
28 FEBRUARY 1971

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28 FEBRUARY 1971

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SECTION 4.2

TEMPERATURE HUMIDITY INFRARED RADIOMETER

DAYTIME MONTAGES

No 6.7  $\mu$ m montages are shown as this channel was only on during orbits 3646 (5 minutes) and 4249 (50 minutes).

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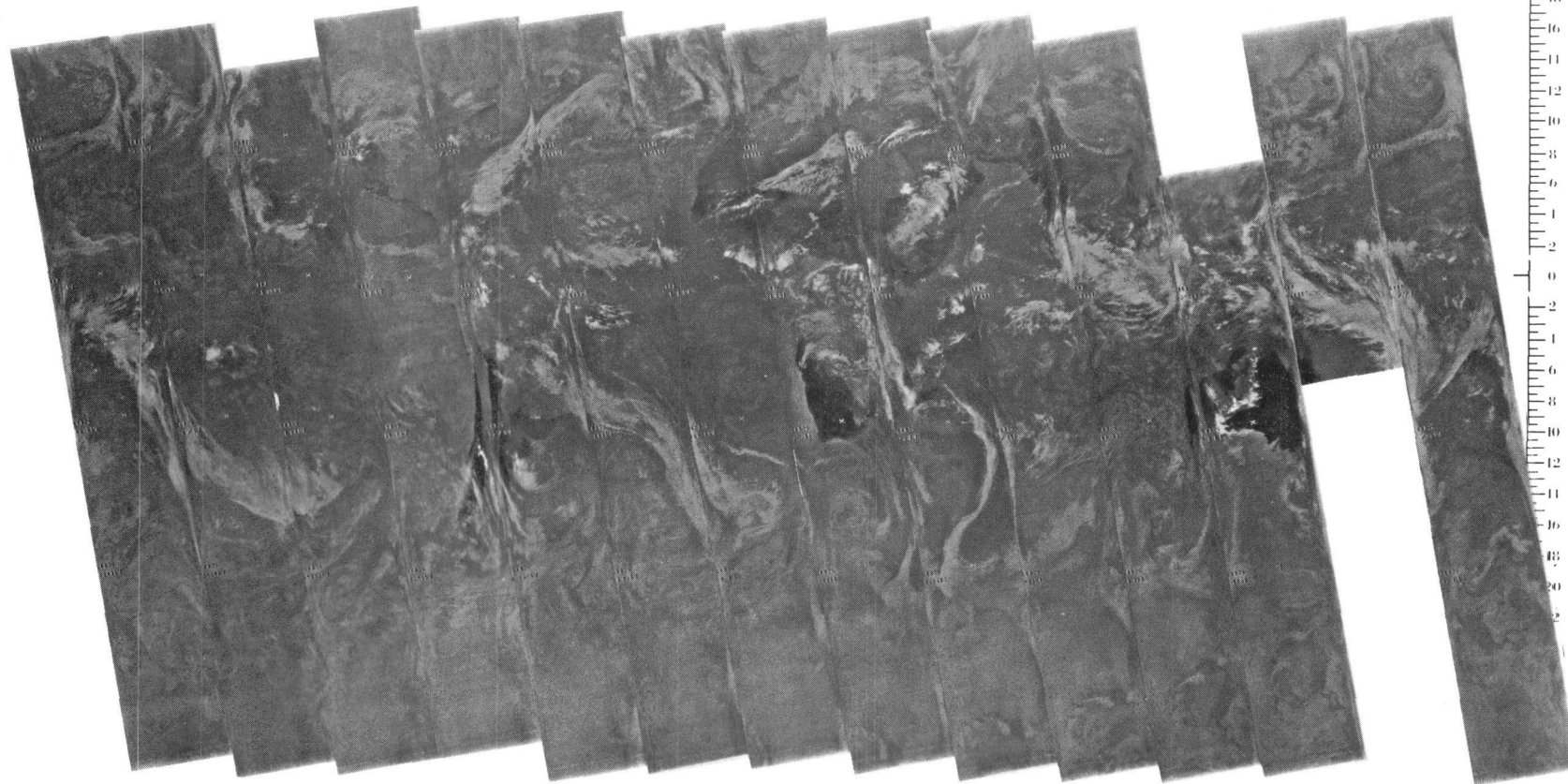


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2 JANUARY 1971

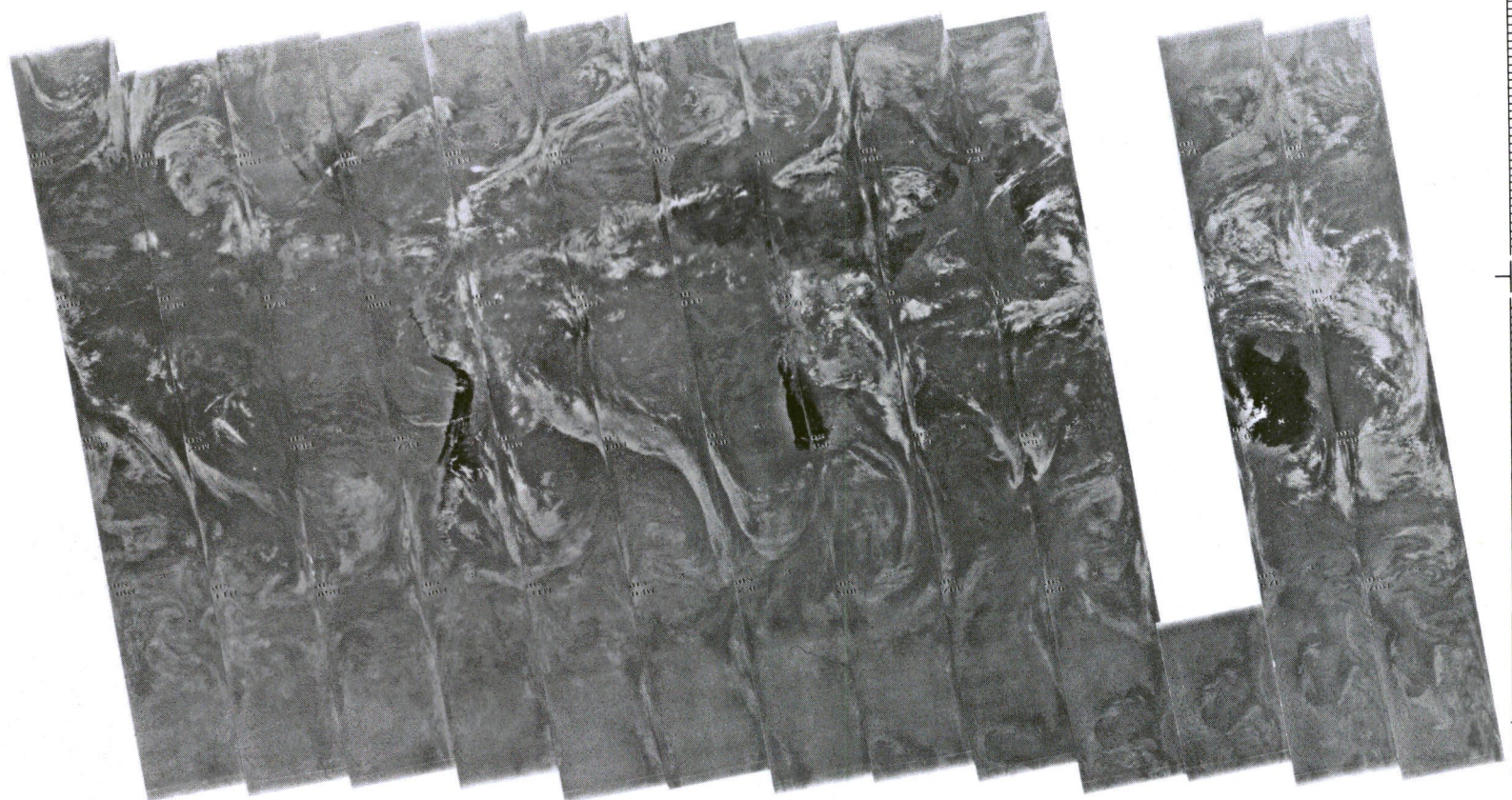
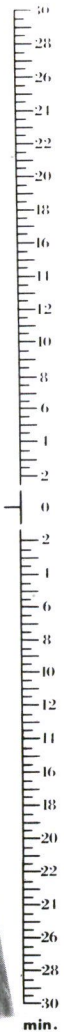
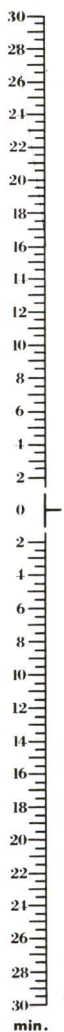
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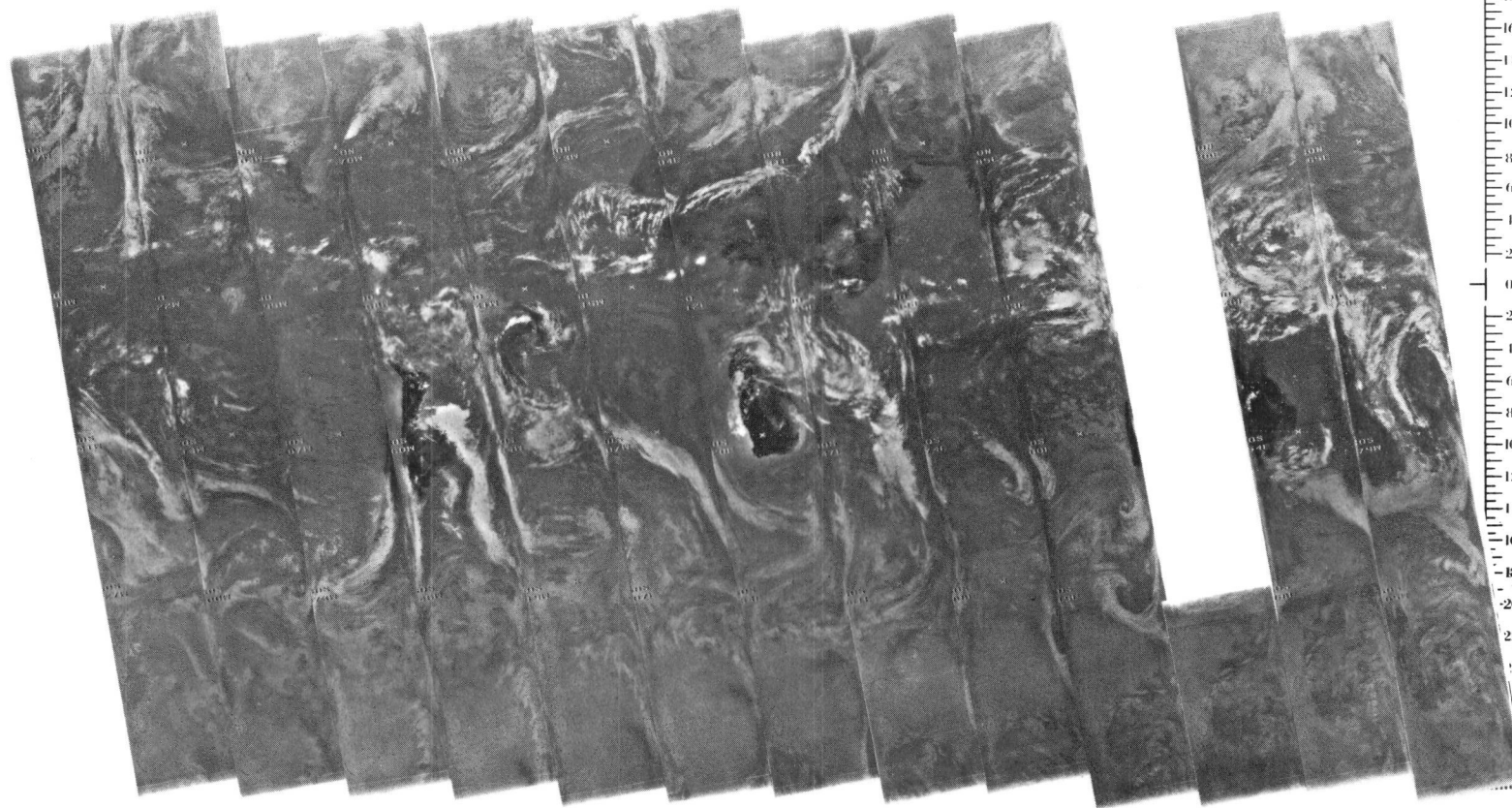
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3 JANUARY 1971

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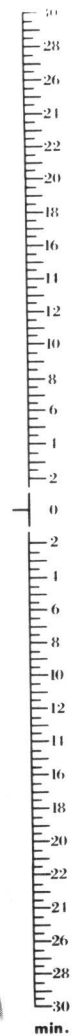
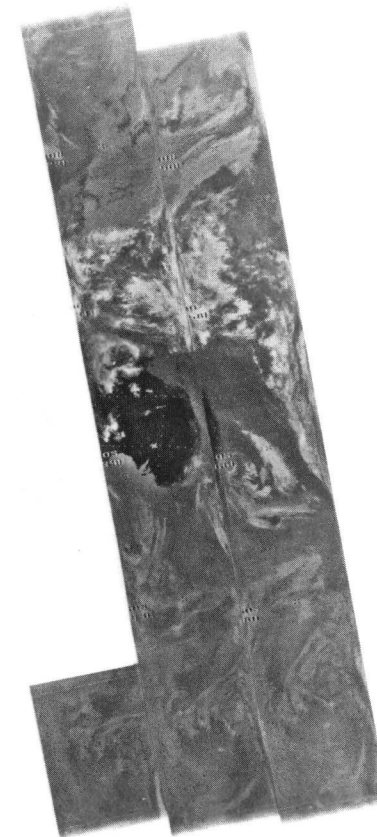
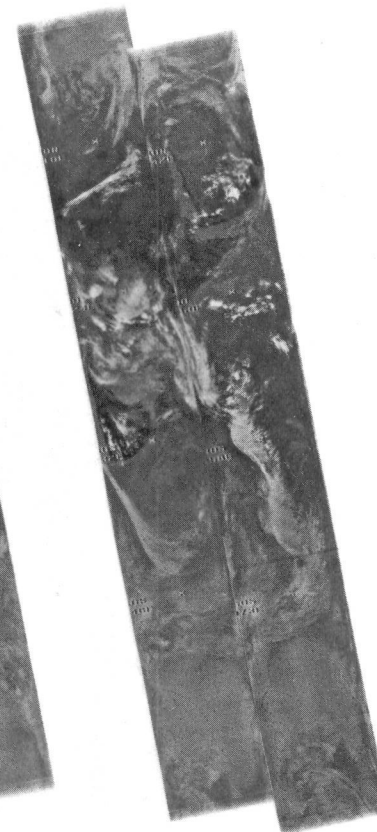
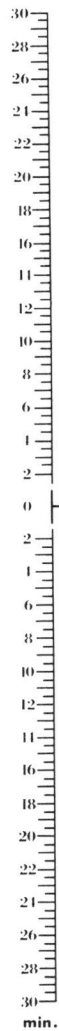


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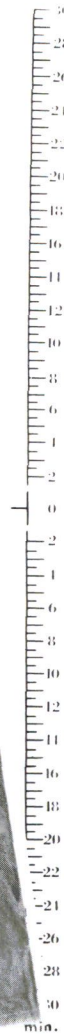
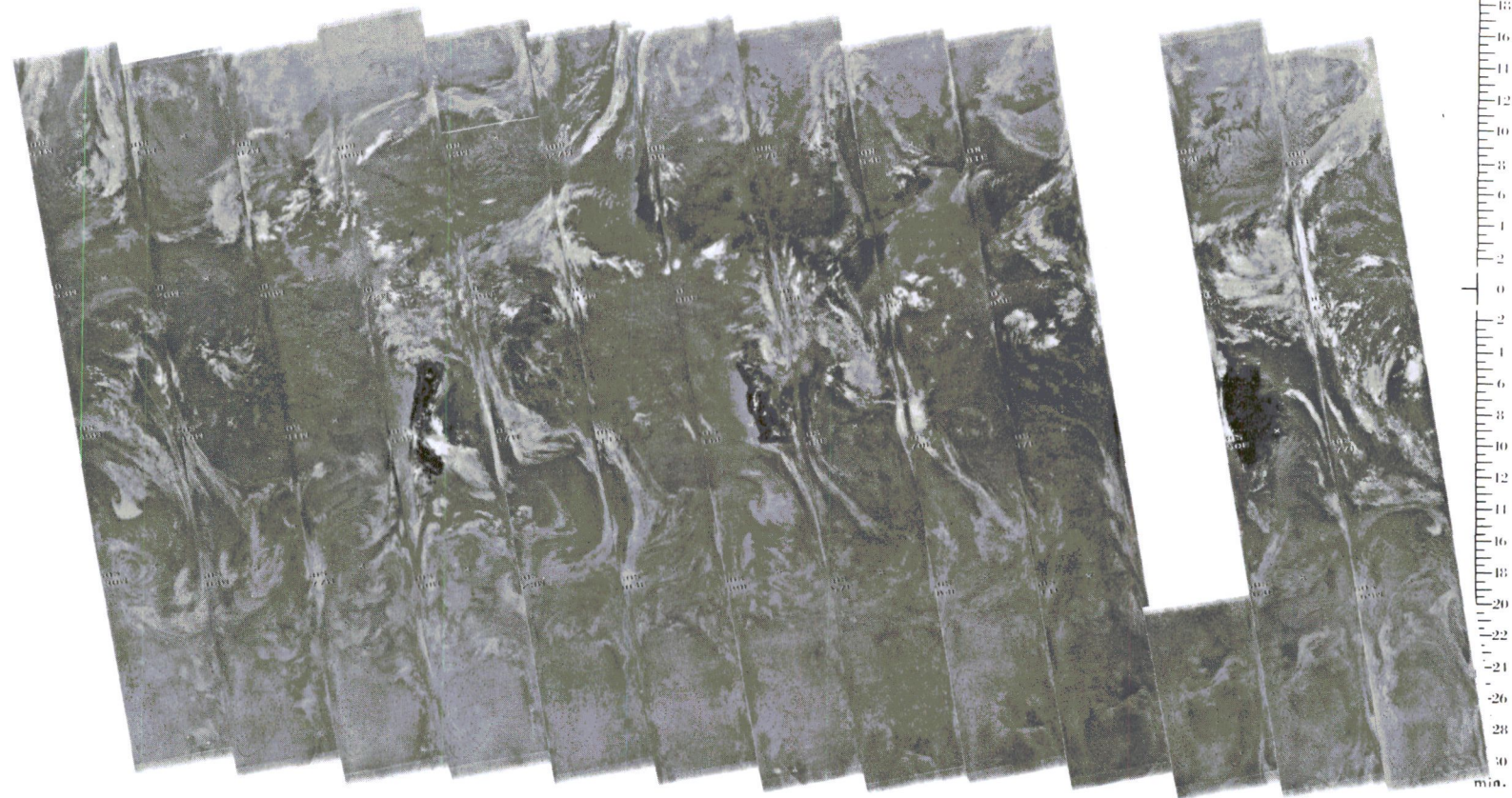
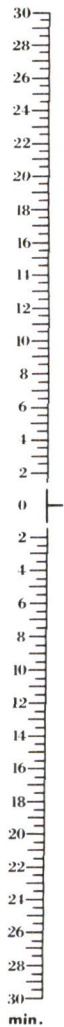


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5 JANUARY 1971

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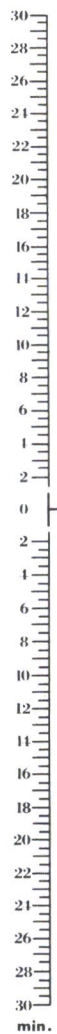
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6 JANUARY 1971

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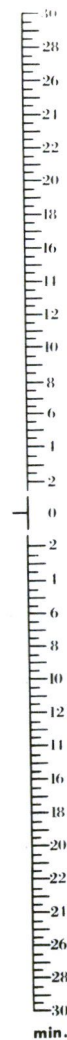
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7 JANUARY 1971

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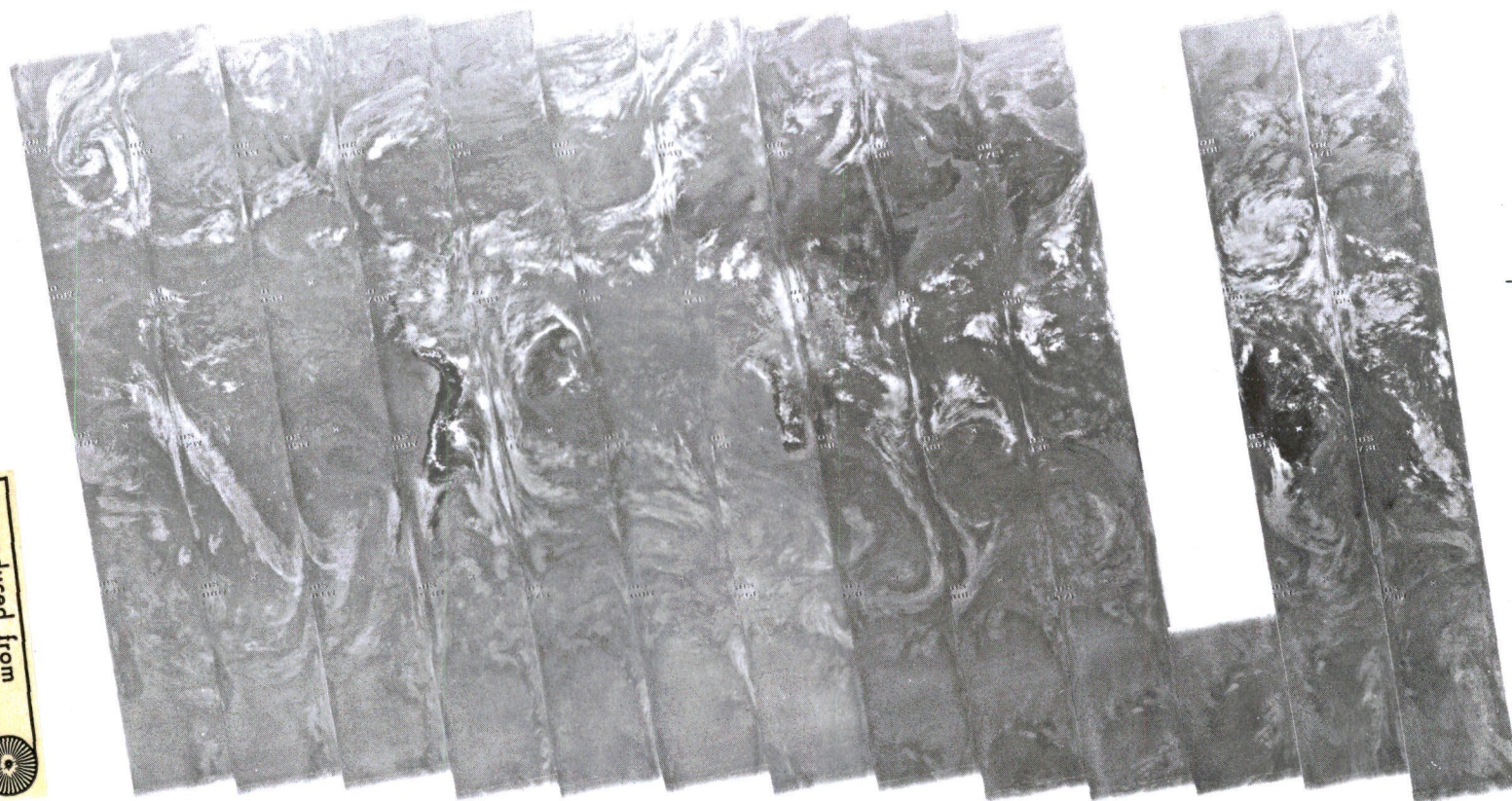




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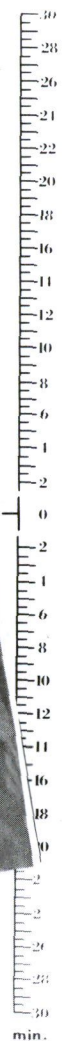
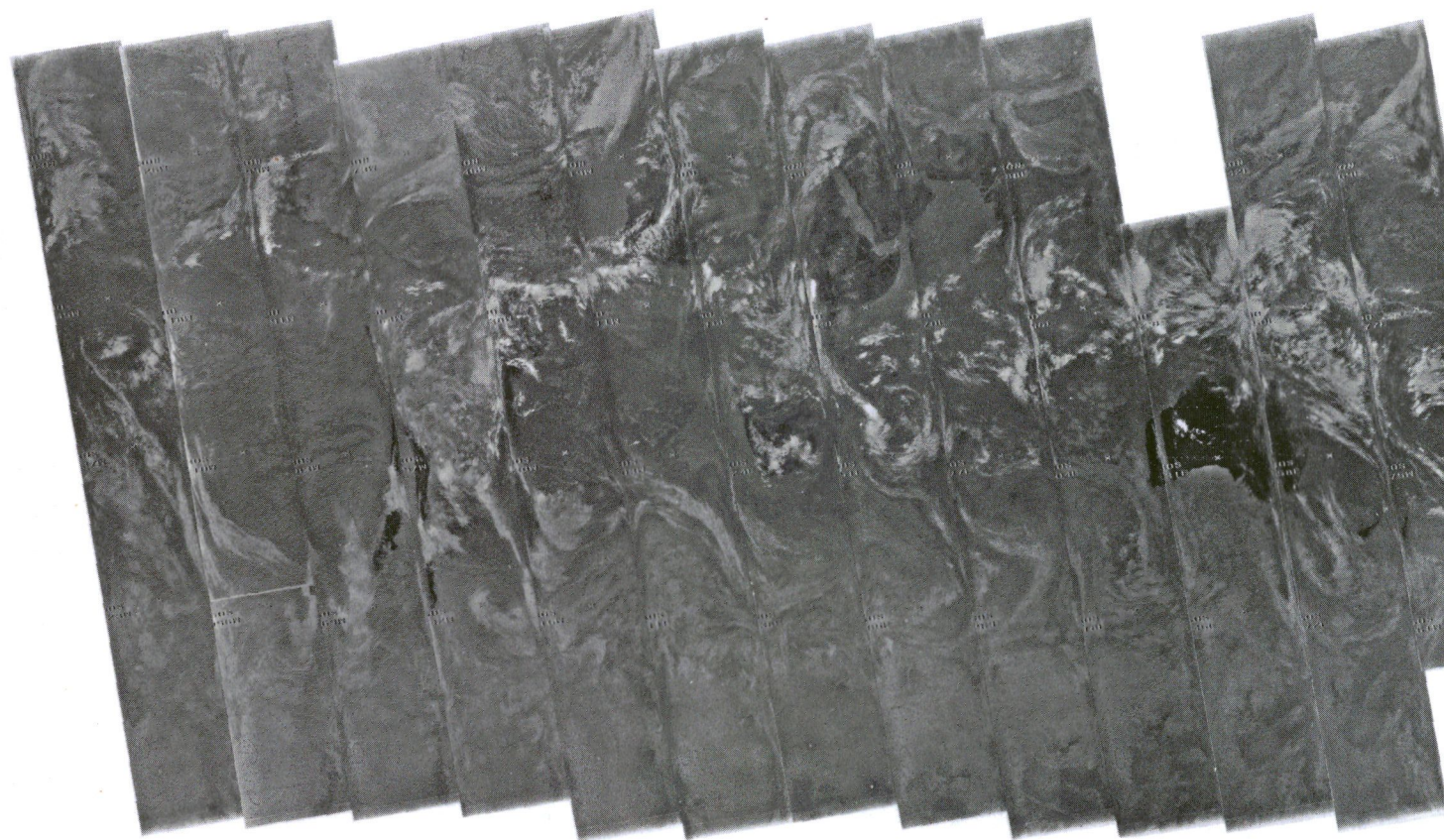
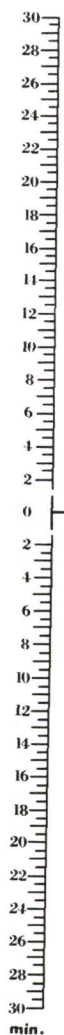
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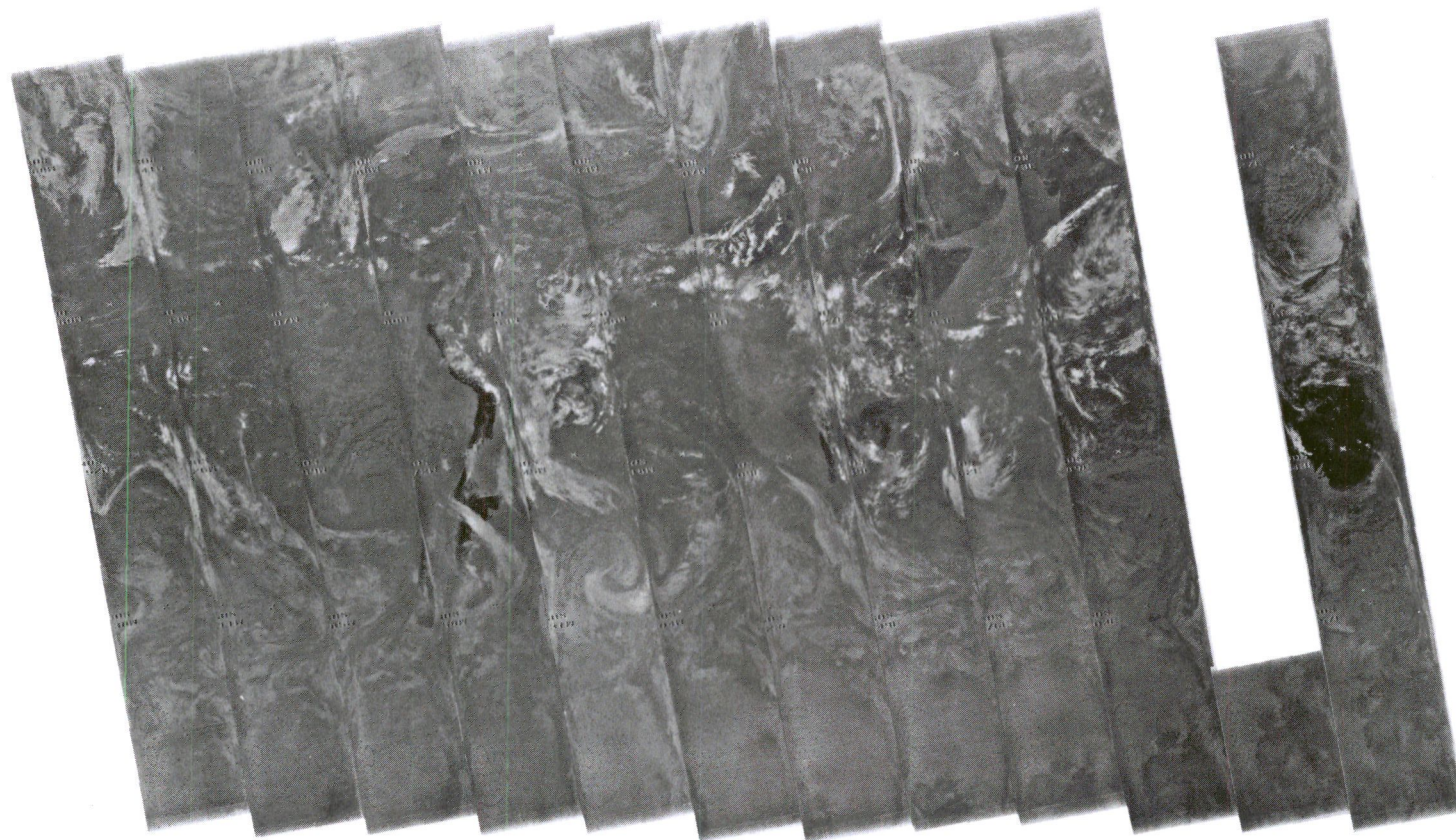
9 JANUARY 1971

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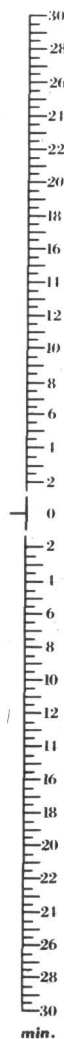
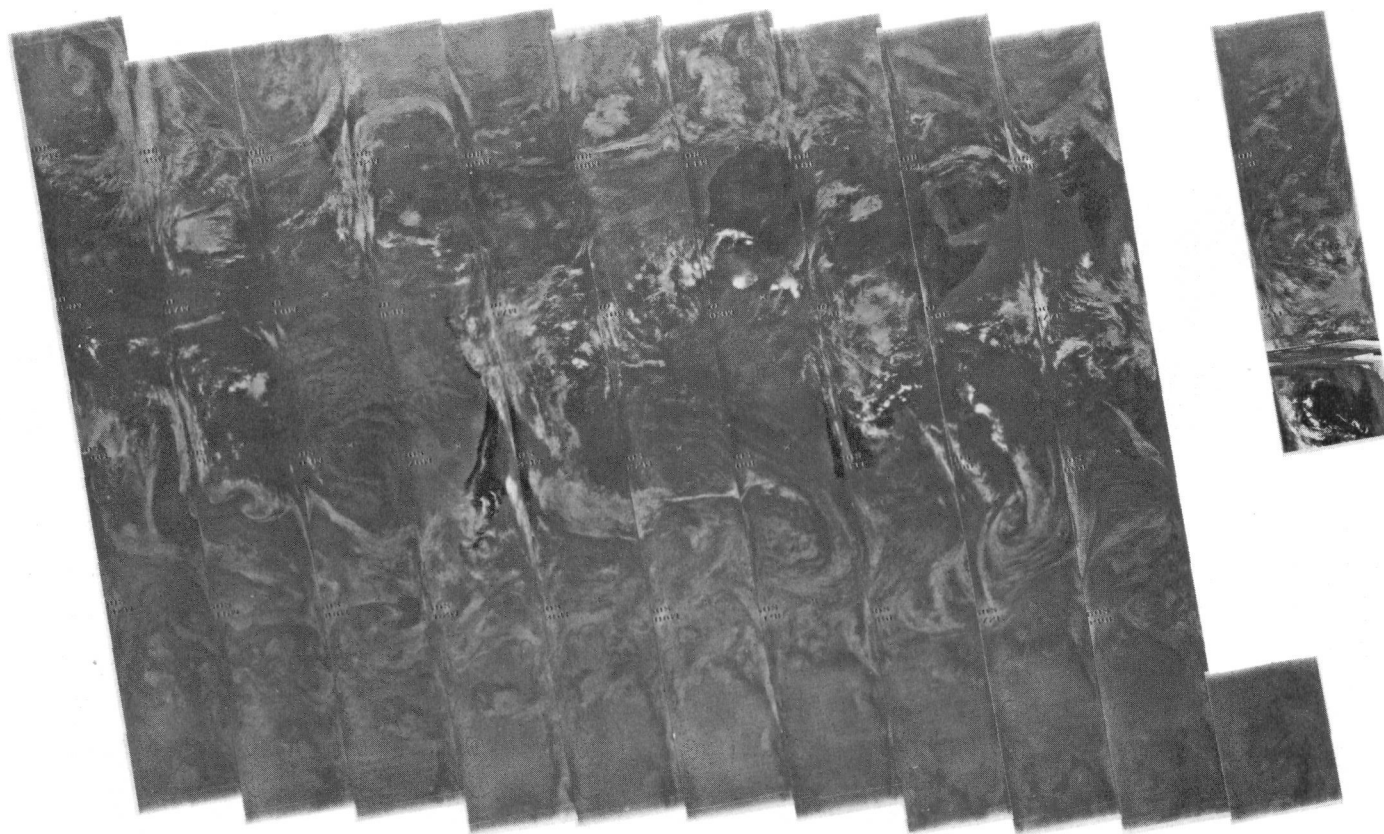
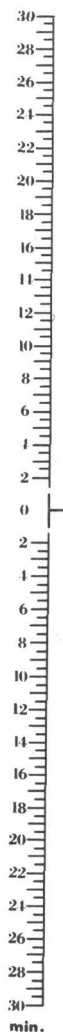
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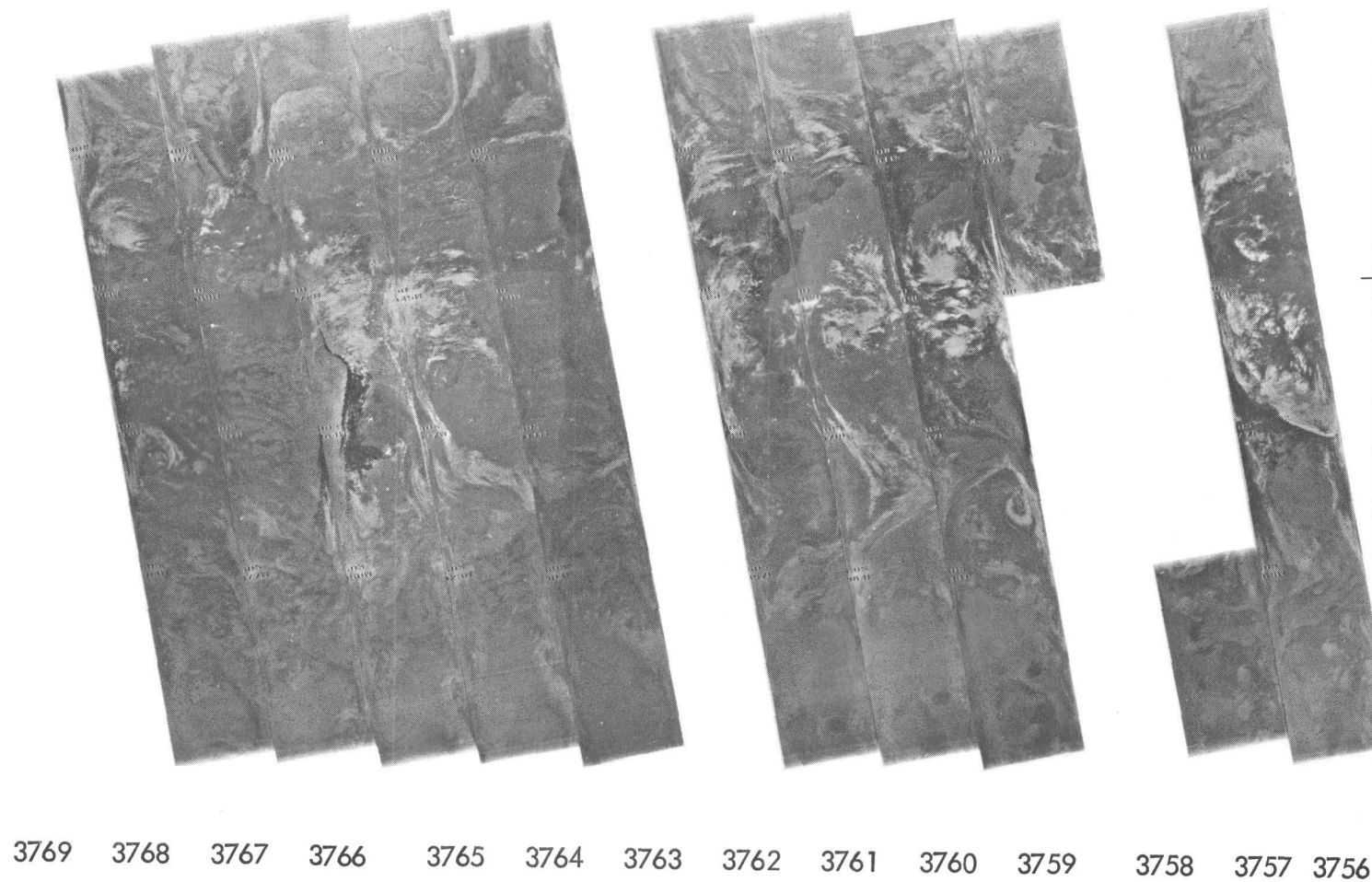
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12 JANUARY 1971

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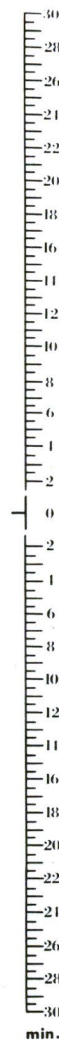
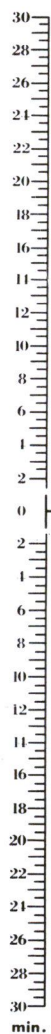


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13 JANUARY 1971  
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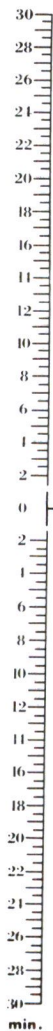


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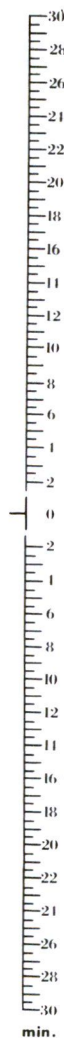
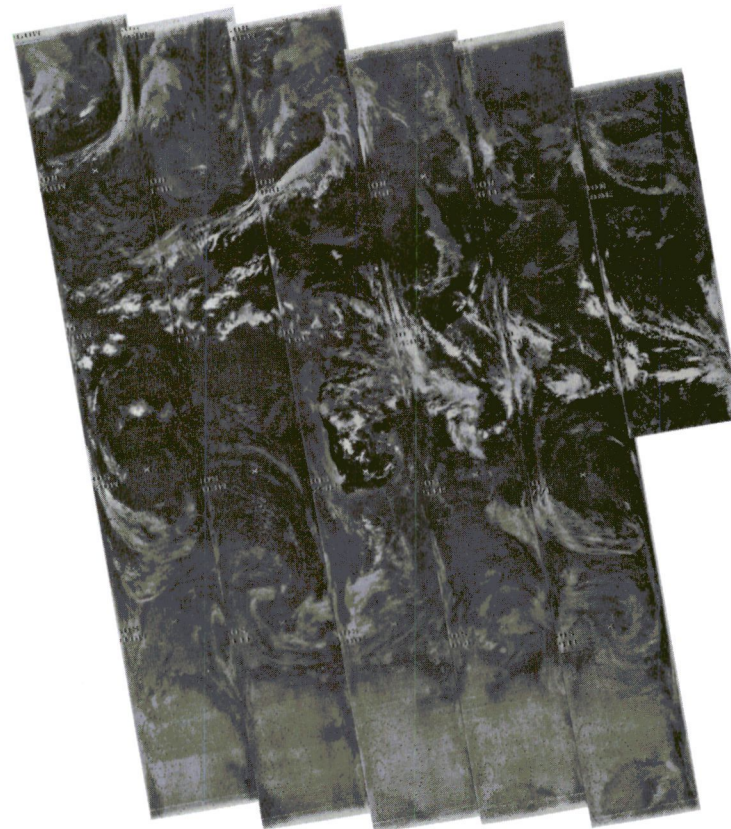


3782 3781 3780 3779 3778 3777 3776 3775 3774 3773 3772 3771 3770  
14 JANUARY 1971  
11.5  $\mu\text{m}$

4-105



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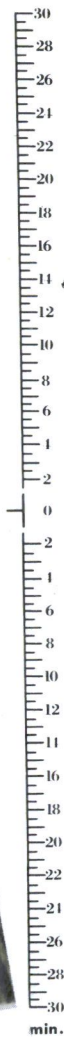
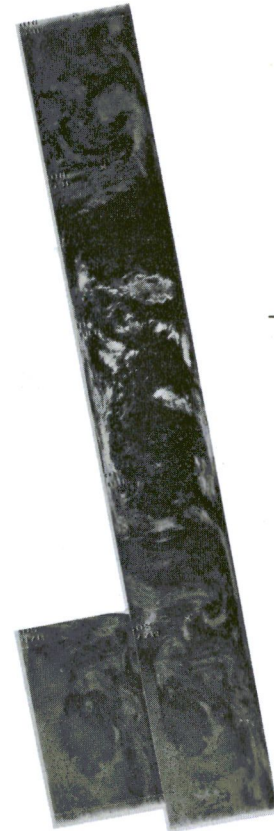
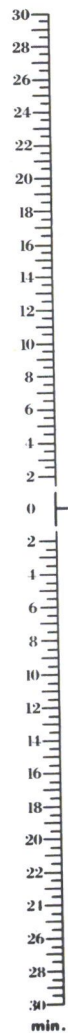
3997 3996 3995 3994 3993 3992 3991 3990 3989 3988 3987 3986 3985 3984

30 JANUARY 1971

11.5  $\mu$ m



4-106

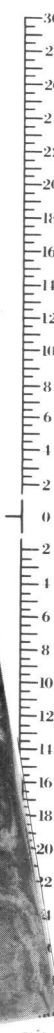
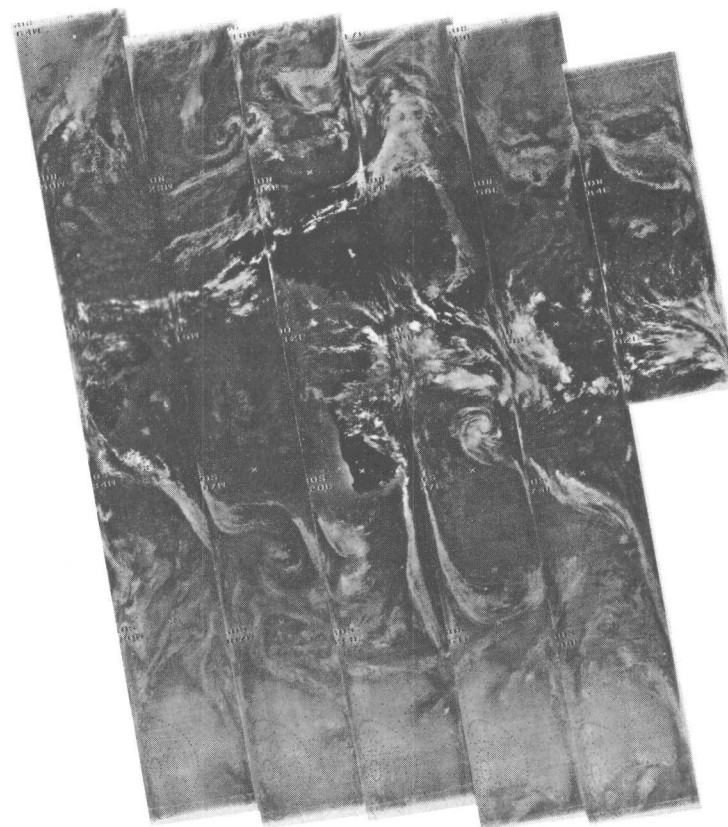
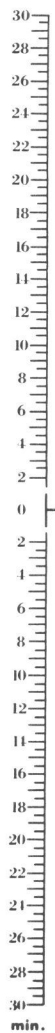


4010 4009 4008 4007 4006 4005 4004 4003 4002 4001 4000 3999 3998

31 JANUARY 1971

11.5  $\mu\text{m}$

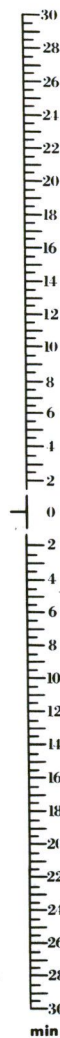
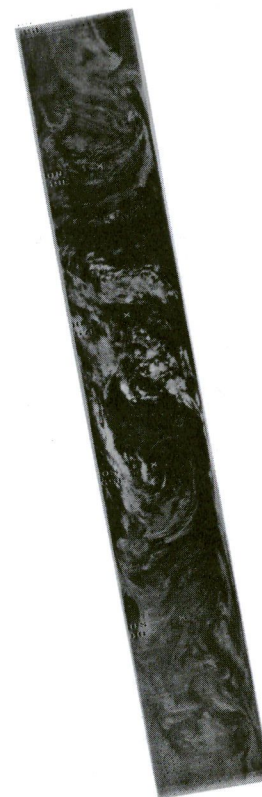
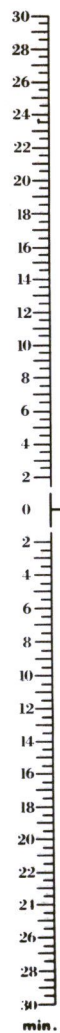
4-107



4024 4023 4022 4021 4020 4019 4018 4017 4016 4015 4014 4013 4012 4011  
1 FEBRUARY 1971  
11.5  $\mu\text{m}$



4-108

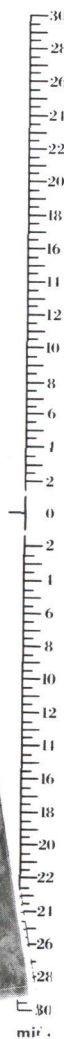
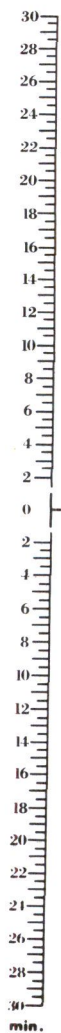


4037 4036 4035 4034 4033 4032 4031 4030 4029 4028 4027 4026 4025

2 FEBRUARY 1971

11.5  $\mu$ m

4-109



4051 4050 4049 4048 4047 4046 4045 4044 4043 4042 4041 4040 4039 4038

3 FEBRUARY 1971

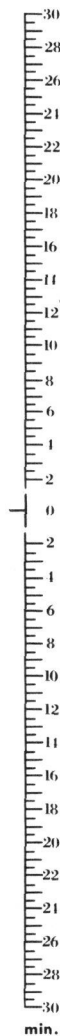
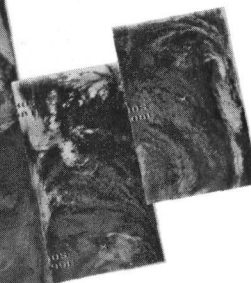
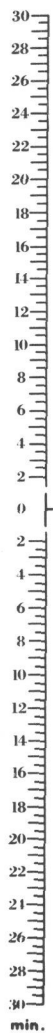
11.5  $\mu$ m

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4-110

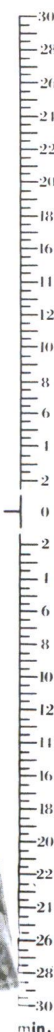
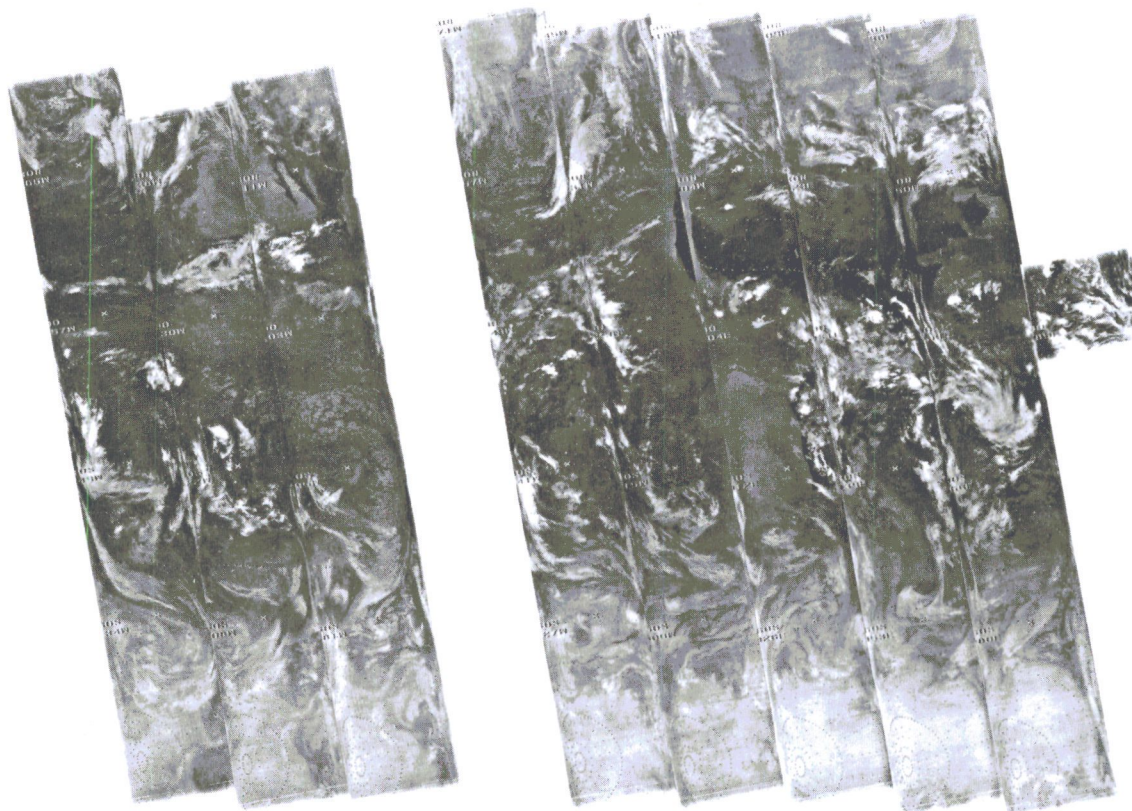
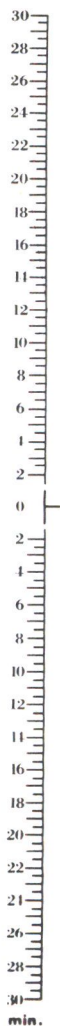


4064 4063 4062 4061 4060 4059 4058 4057 4056 4055 4054 4053 4052

4 FEBRUARY 1971

11.5  $\mu\text{m}$

4-111



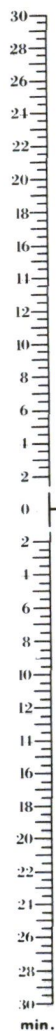
4077 4076 4075 4074 4073 4072 4071 4070 4069 4068 4067 4066 4065

5 FEBRUARY 1971

11.5  $\mu$ m



4-112



min.



4091

4090

4089

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4081

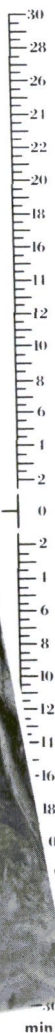
4080

4079

4078

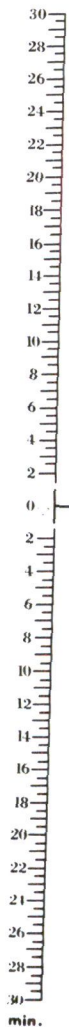
6 FEBRUARY 1971

11.5  $\mu$ m

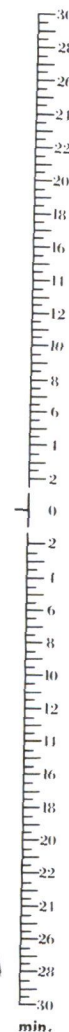
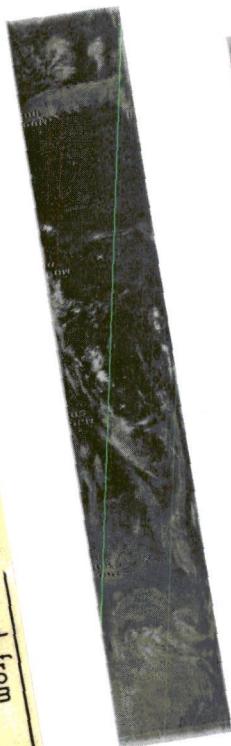


min.

4-113



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best available copy.



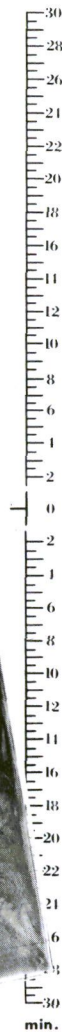
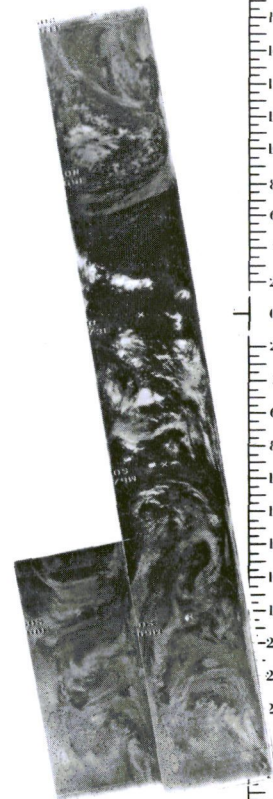
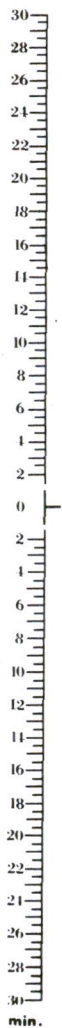
4104 4103 4102 4101 4100 4099 4098 4097 4096 4095 4094 4093 4092

7 FEBRUARY 1971

11.5  $\mu$ m



4-114

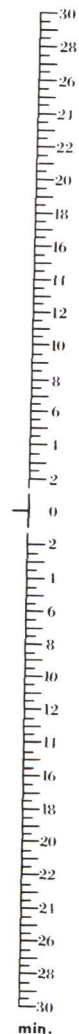
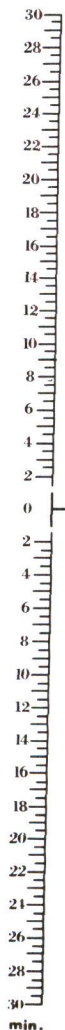


4118 4117 4116 4115 4114 4113 4112 4111 4110 4109 4108 4107 4106 4105

8 FEBRUARY 1971

11.5  $\mu\text{m}$

4-115

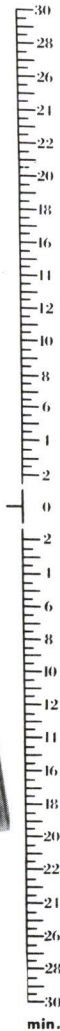
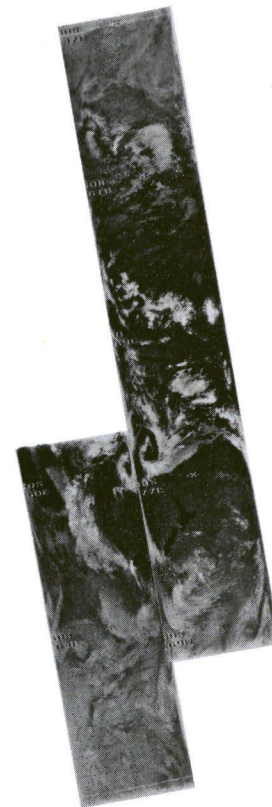
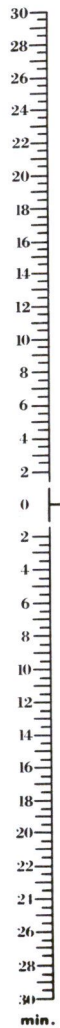


4131 4130 4129 4128 4127 4126 4125 4124 4123 4122 4121 4120 4119

9 FEBRUARY 1971

11.5  $\mu$ m



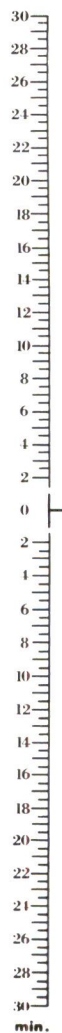


4145 4144 4143 4142 4141 4140 4139 4138 4137 4136 4135 4134 4133 4132

10 FEBRUARY 1971

11.5  $\mu$ m

4-117



4158

4157

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4151

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4149

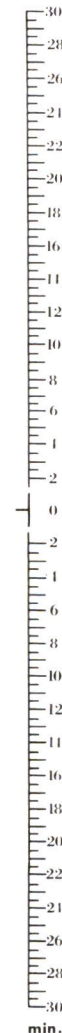
4148

4147

4146

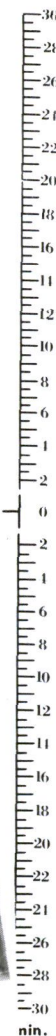
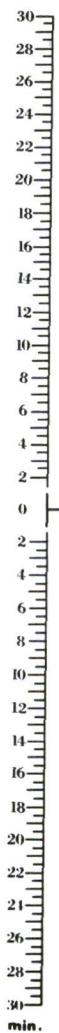
11 FEBRUARY 1971

11.5  $\mu$ m





4-118

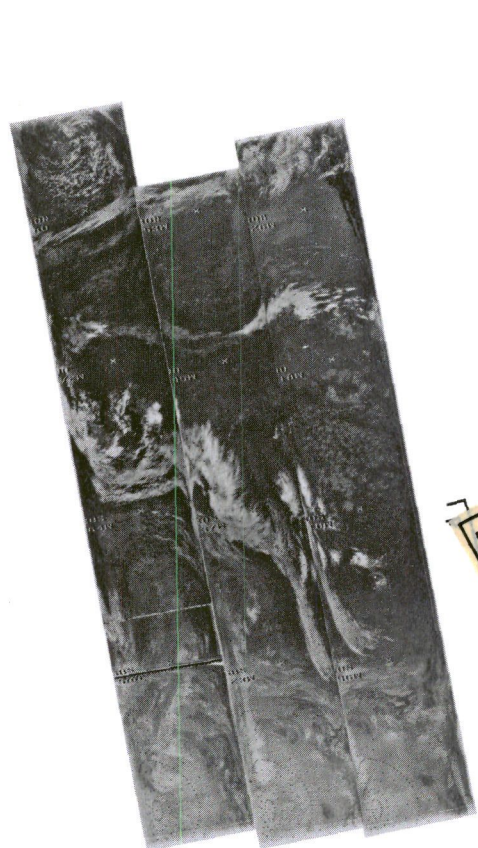
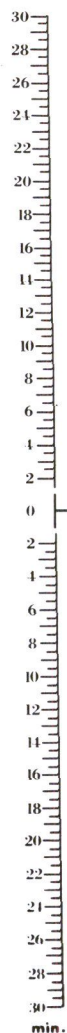


4171 4170 4169 4168 4167 4166 4165 4164 4163 4162 4161 4160 4159

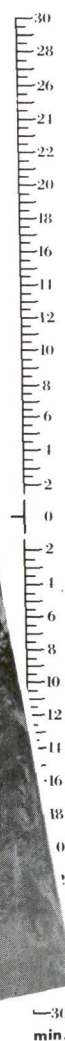
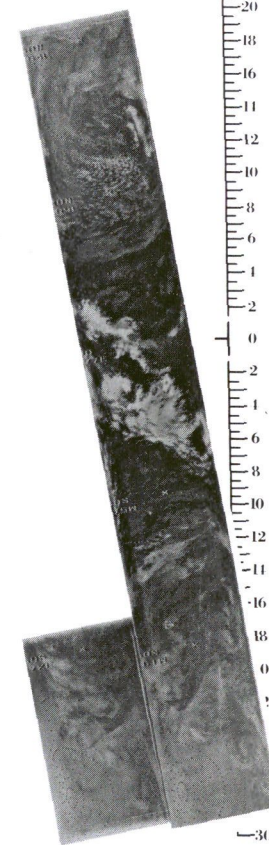
12 FEBRUARY 1971

11.5  $\mu\text{m}$

4-119



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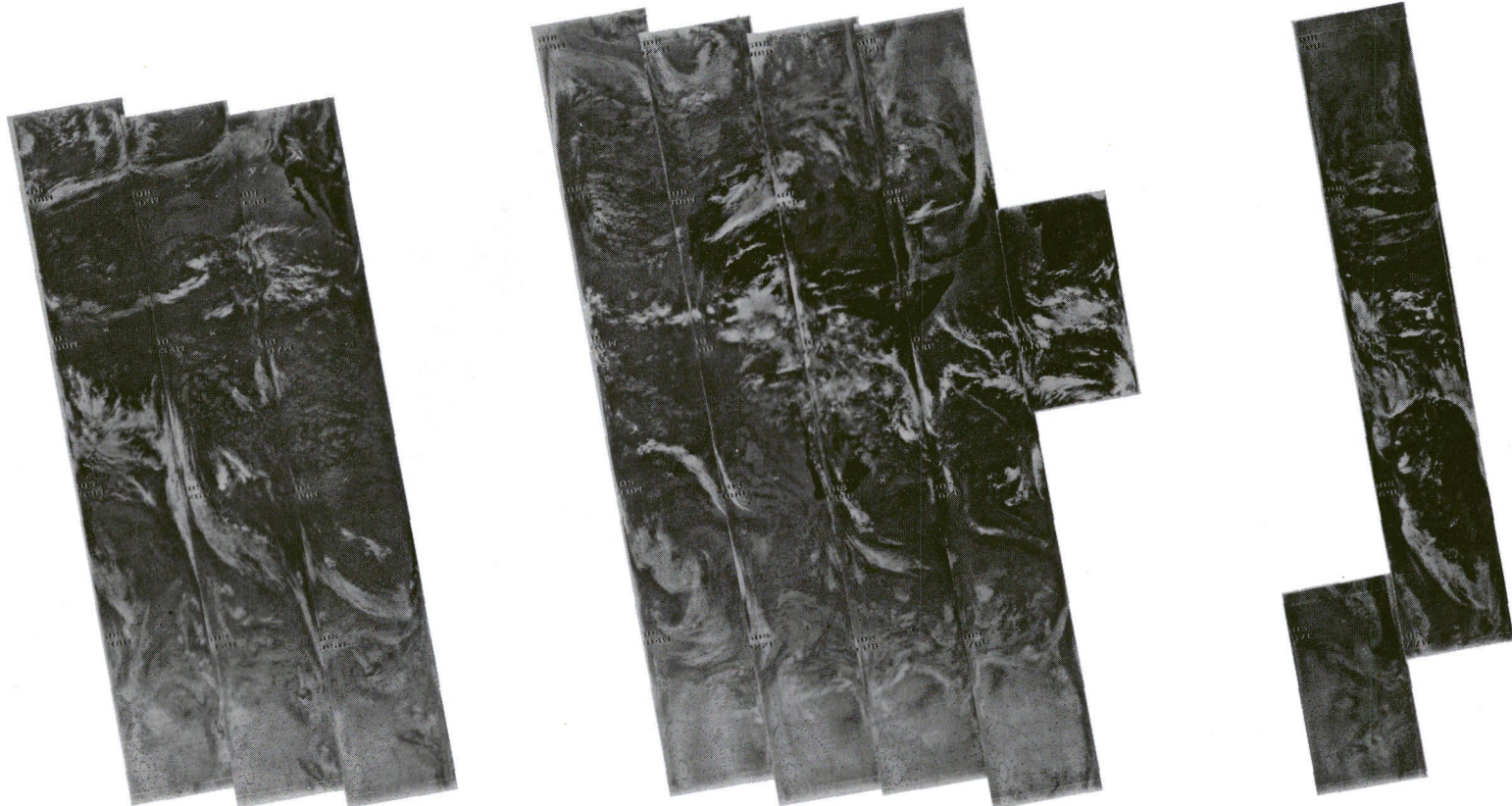
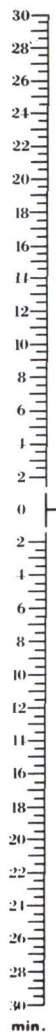
4185 4184 4183 4182 4181 4180 4179 4178 4177 4176 4175 4174 4173 4172

13 FEBRUARY 1971

11.5  $\mu\text{m}$



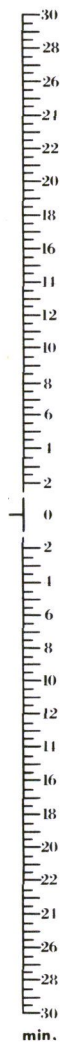
4-120



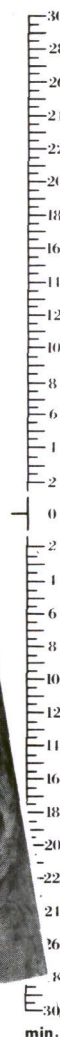
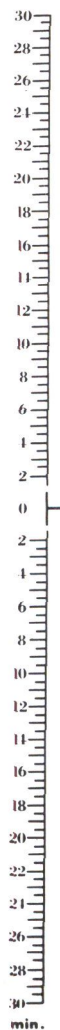
4198 4197 4196 4195 4194 4193 4192 4191 4190 4189 4188 4187 4186

14 FEBRUARY 1971

11.5  $\mu$ m



4-121



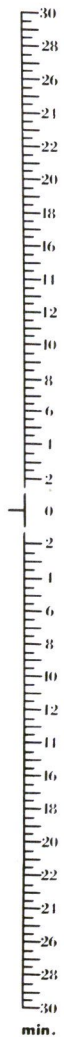
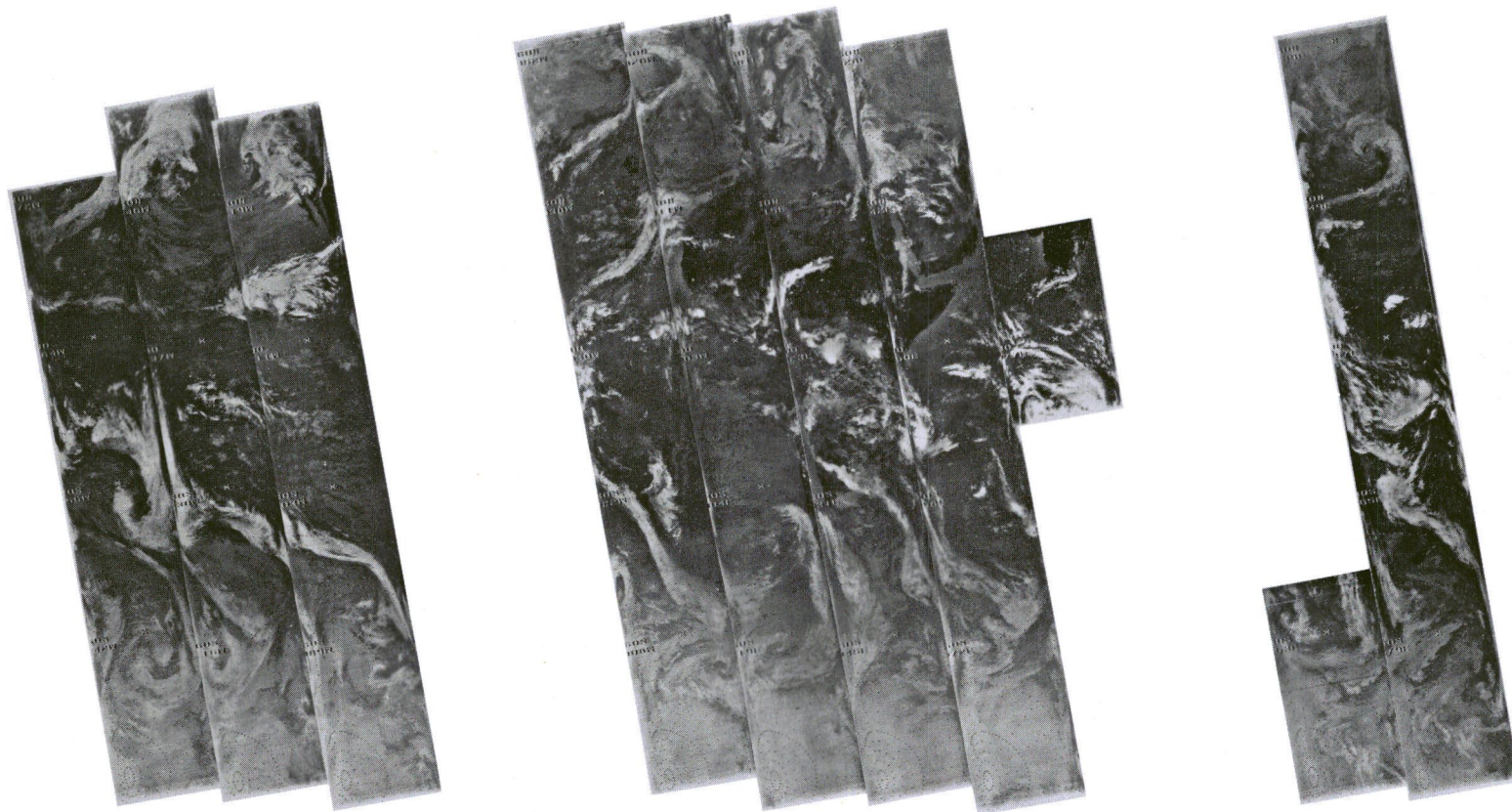
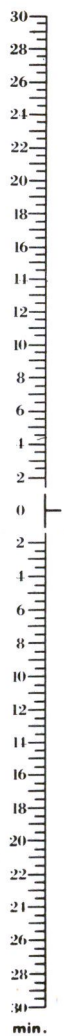
4212 4211 4210 4209 4208 4207 4206 4205 4204 4203 4202 4201 4200 4199

15 FEBRUARY 1971

11.5  $\mu\text{m}$



4-122

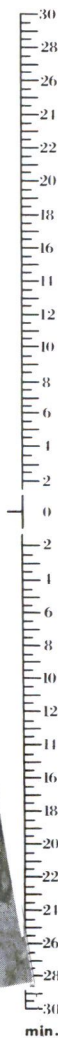
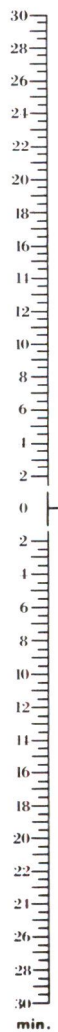


4225 4224 4223 4222 4221 4220 4219 4218 4217 4216 4215 4214 4213

16 FEBRUARY 1971

11.5  $\mu\text{m}$

4-123



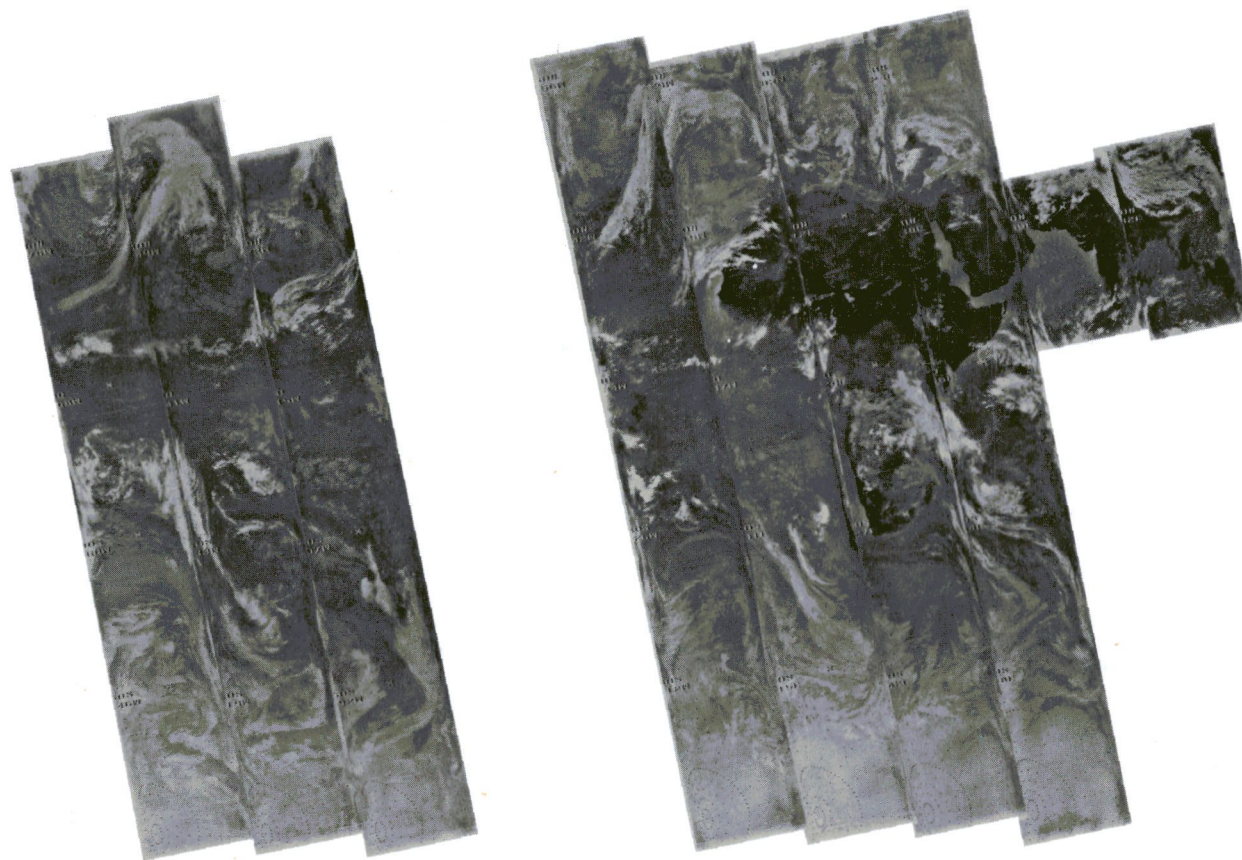
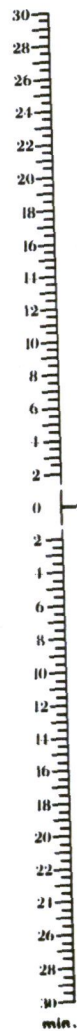
4239 4238 4237 4236 4235 4234 4233 4232 4231 4230 4229 4228 4227 4226

17 FEBRUARY 1971

11.5  $\mu\text{m}$



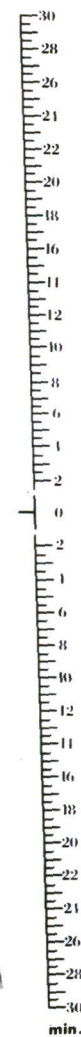
4-124



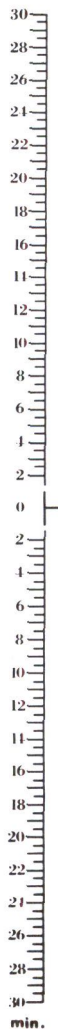
4252 4251 4250 4249 4248 4247 4246 4245 4244 4243 4242 4241 4240

18 FEBRUARY 1971

11.5  $\mu$ m



4-125



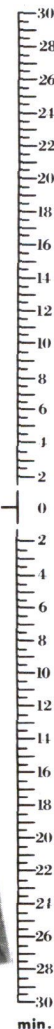
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4265 4264 4263 4262 4261 4260 4259 4258 4257 4256 4255 4254 4253

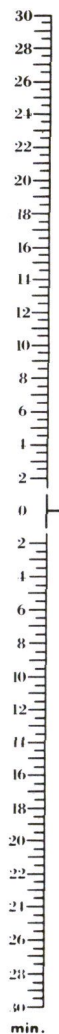
19 FEBRUARY 1971

11.5  $\mu$ m

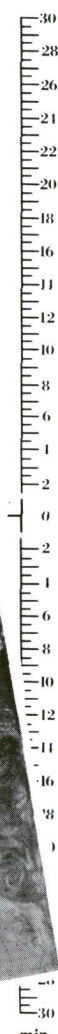




4-126



min.



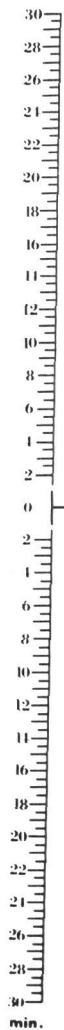
min.

4279 4278 4277 4276 4275 4274 4273 4272 4271 4270 4269 4268 4267 4266

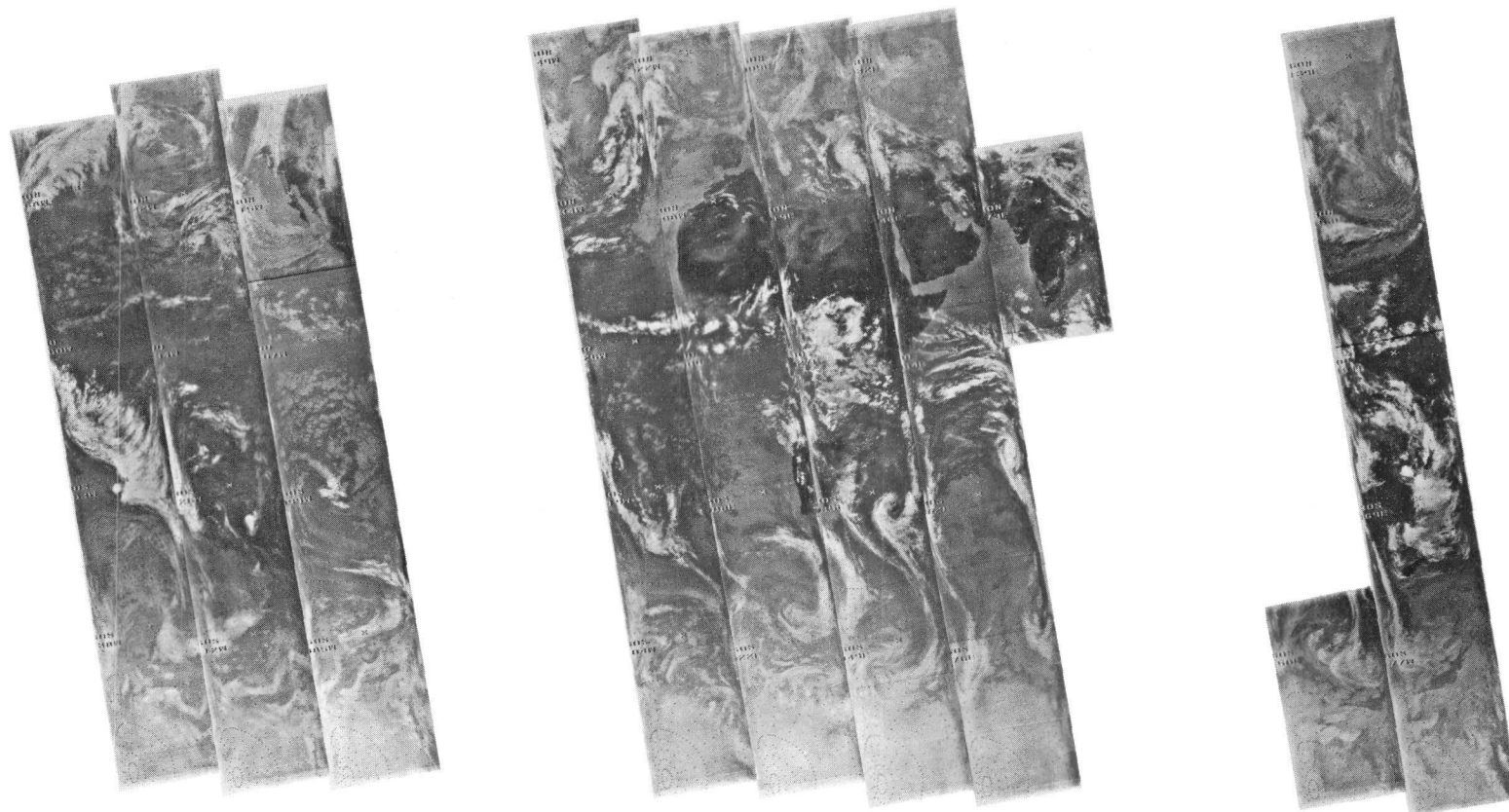
20 FEBRUARY 1971

11.5  $\mu\text{m}$

4-127



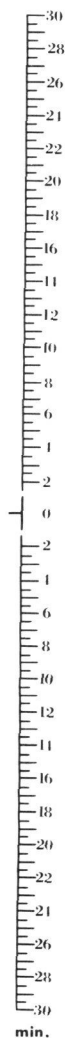
min.



4292 4291 4290 4289 4288 4287 4286 4285 4284 4283 4282 4281 4280

21 FEBRUARY 1971

11.5  $\mu$ m

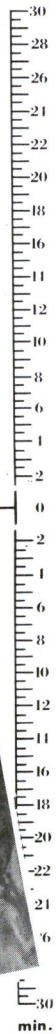
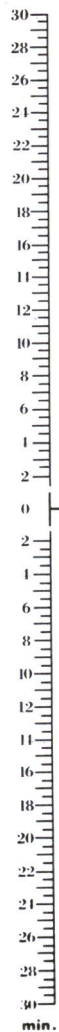


min.



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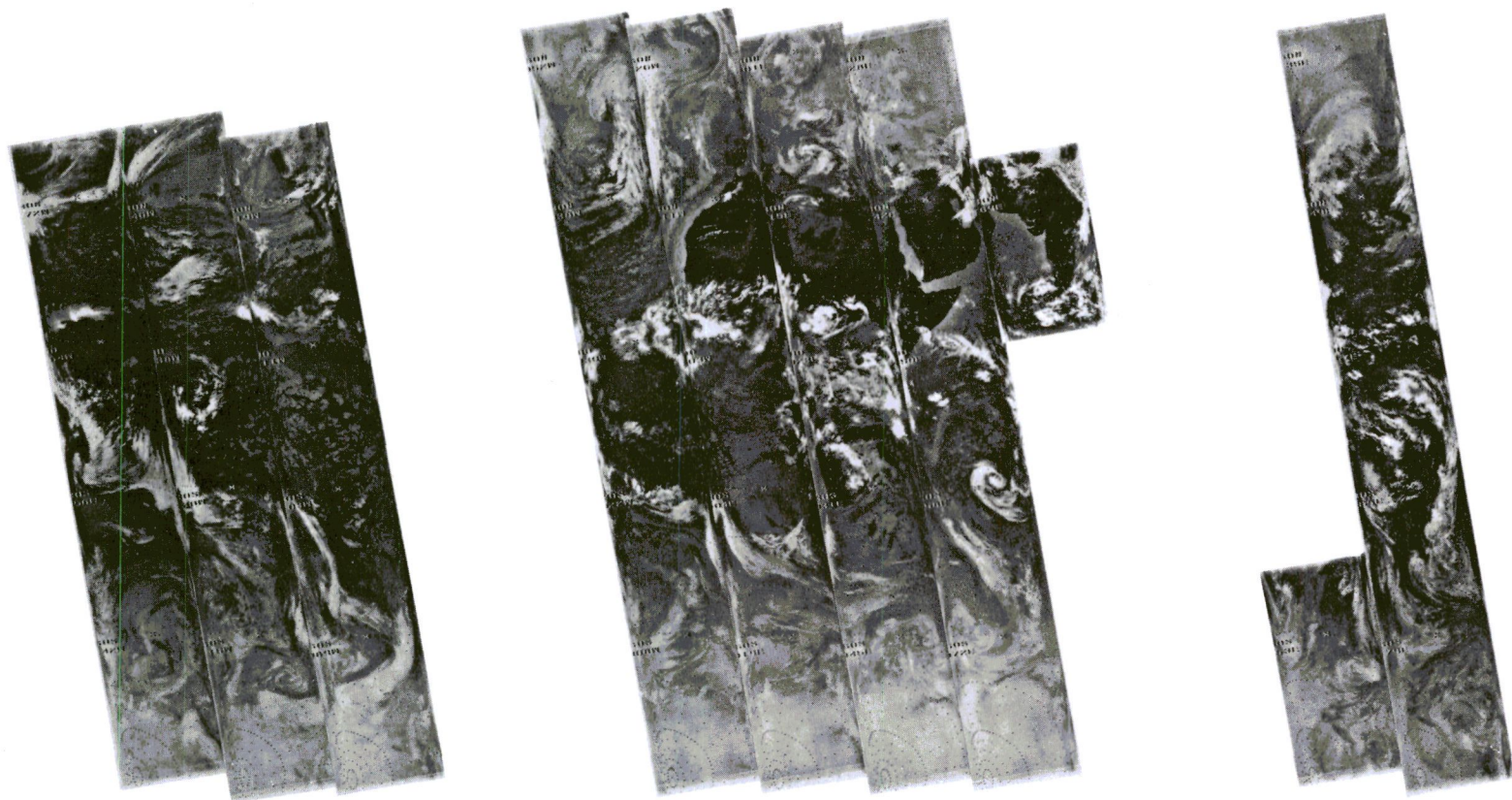
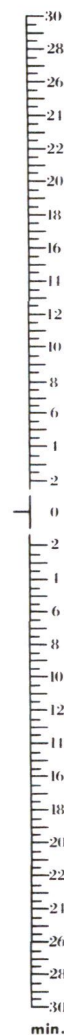
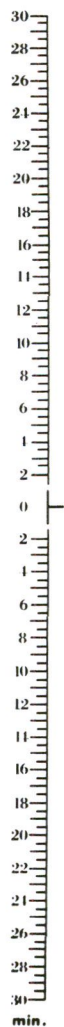
4-128



4306 4305 4304 4303 4302 4301 4300 4299 4298 4297 4296 4295 4294 4293

22 FEBRUARY 1971

11.5  $\mu$ m



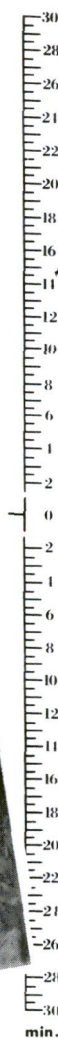
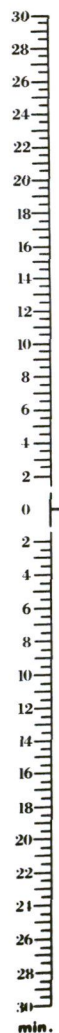
4319 4318 4317 4316 4315 4314 4313 4312 4311 4310 4309 4308 4307

23 FEBRUARY 1971

11.5  $\mu\text{m}$



4-130

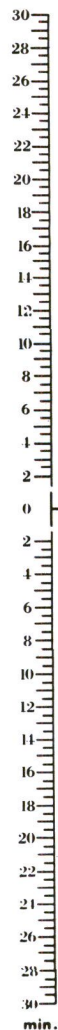


4333 4332 4331 4330 4329 4328 4327 4326 4325 4324 4323 4322 4321 4320

24 FEBRUARY 1971

11.5  $\mu$ m

4-131



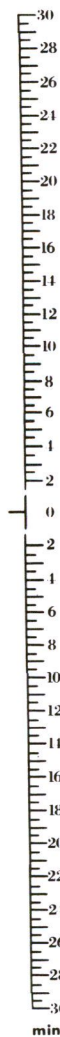
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4346 4345 4344 4343 4342 4341 4340 4339 4338 4337 4336 4335 4334

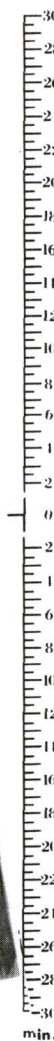
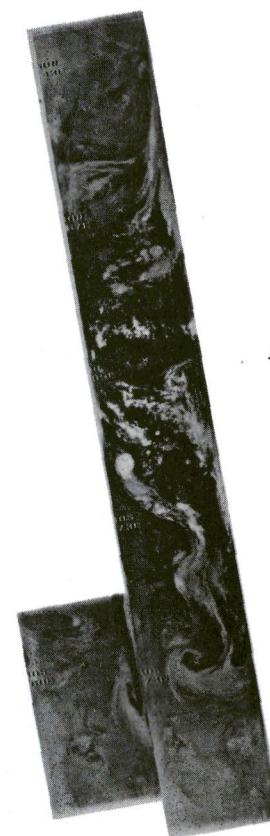
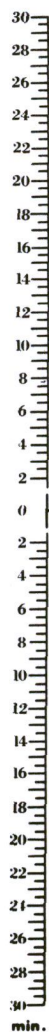
25 FEBRUARY 1971

11.5  $\mu$ m





4-132

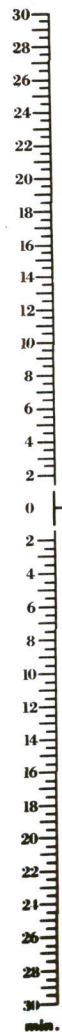


4359 4358 4357 4356 4355 4354 4353 4352 4351 4350 4349 4348 4347

26 FEBRUARY 1971

11.5  $\mu\text{m}$

4-133



4373

4372

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4364

4363

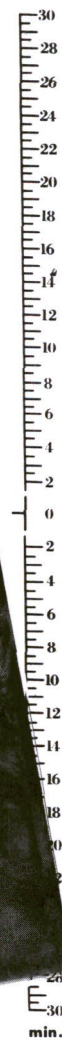
4362

4361

4360

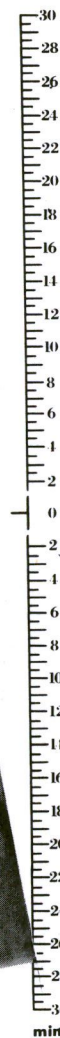
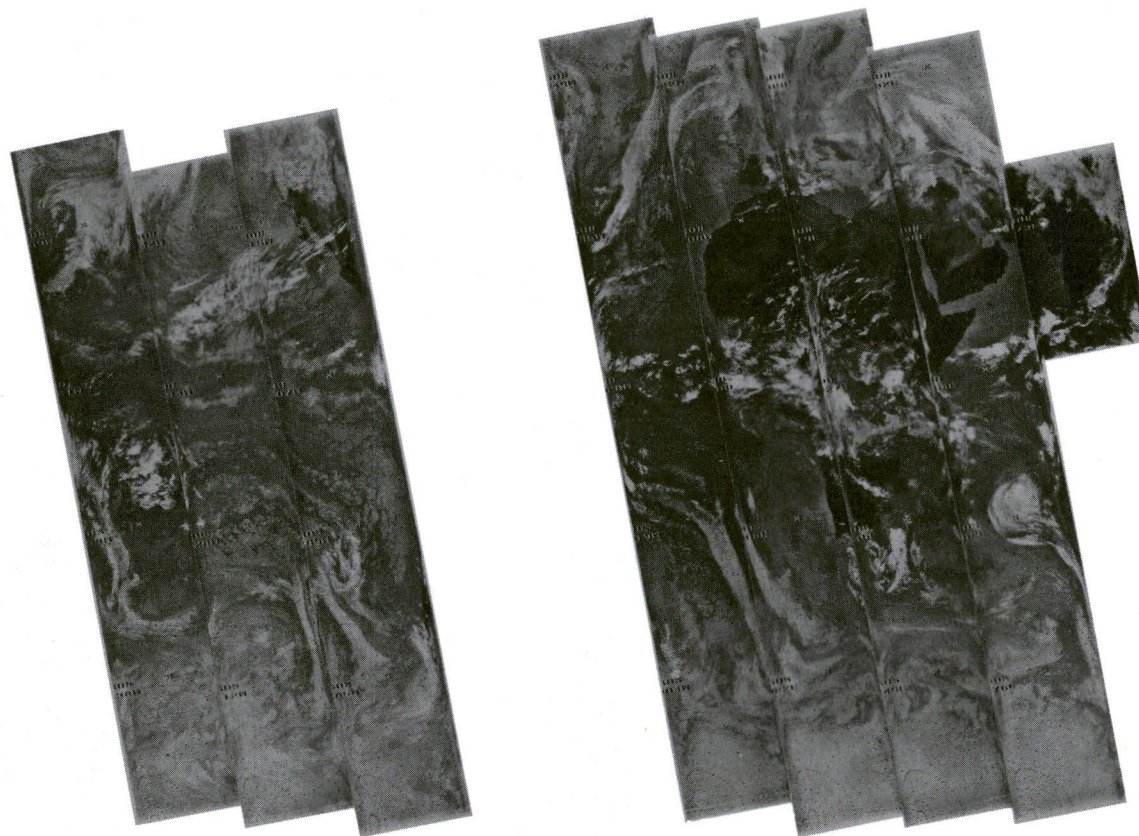
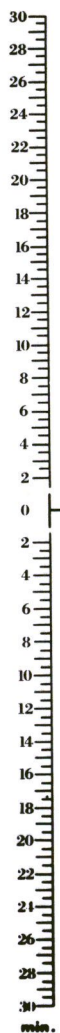
27 FEBRUARY 1971

11.5  $\mu$ m





4-134



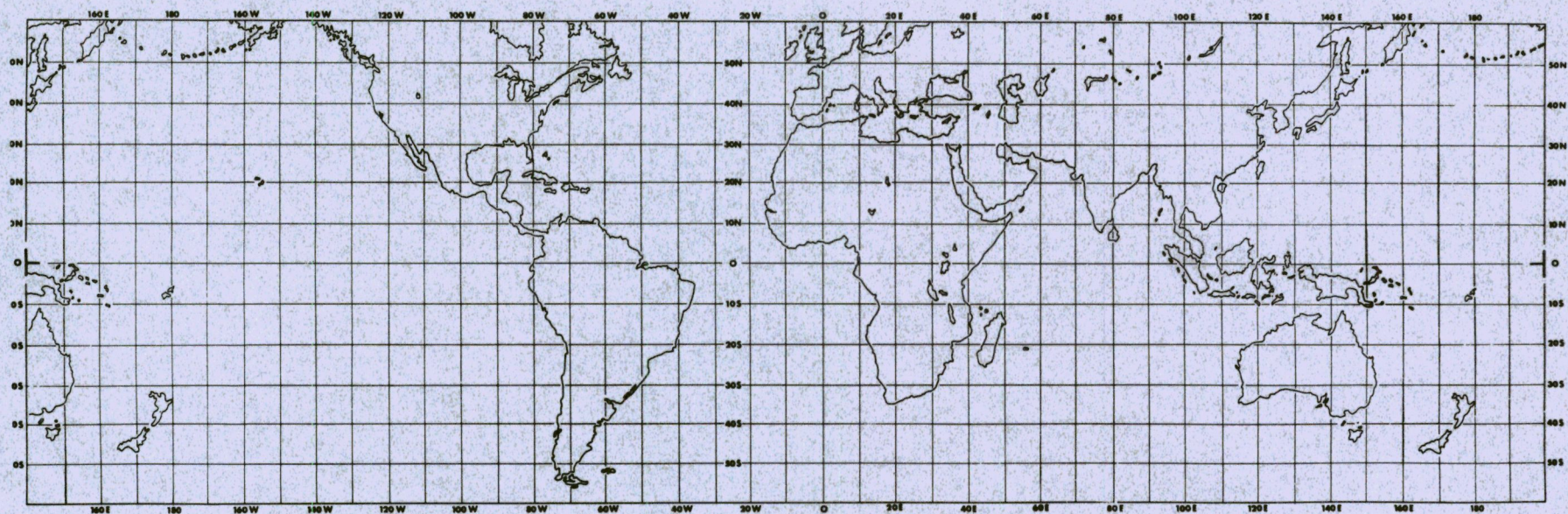
4386 4385 4384 4383 4382 4381 4380 4379 4378 4377 4376 4375 4374

28 FEBRUARY 1971

11.5  $\mu\text{m}$



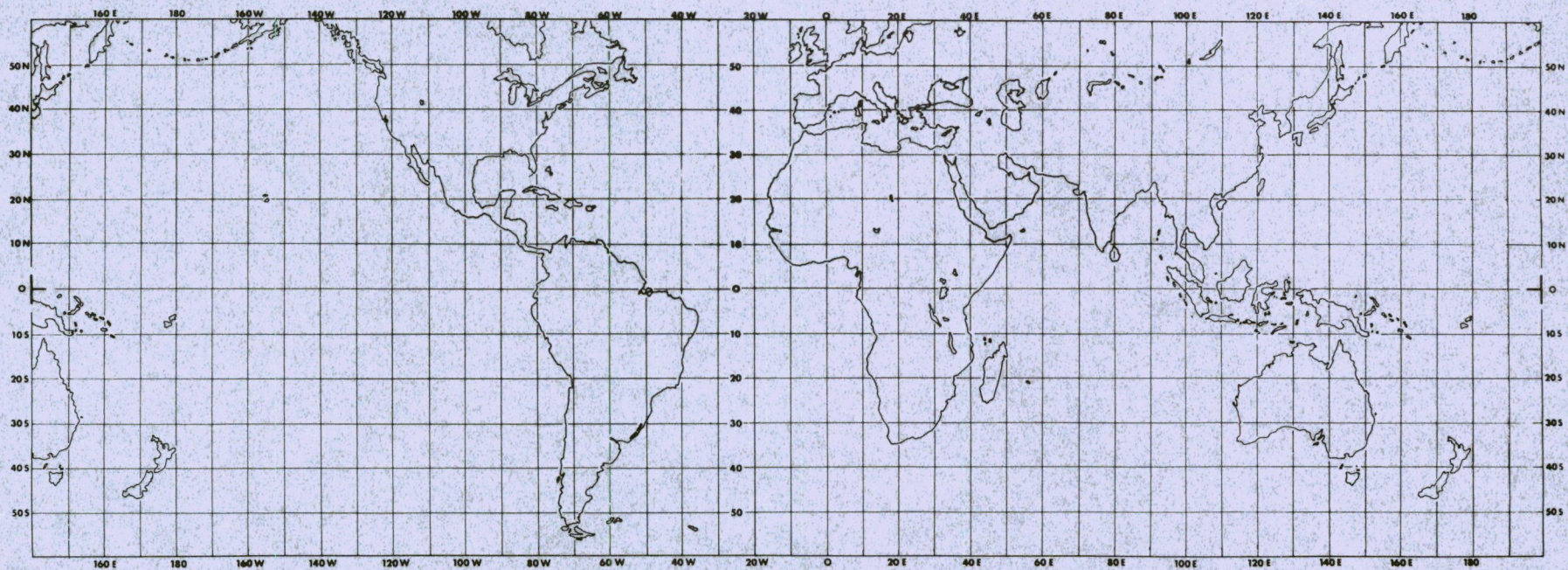
4-135



**Location Guide  
Average Scale for Nimbus 4  
IDCS Montages**



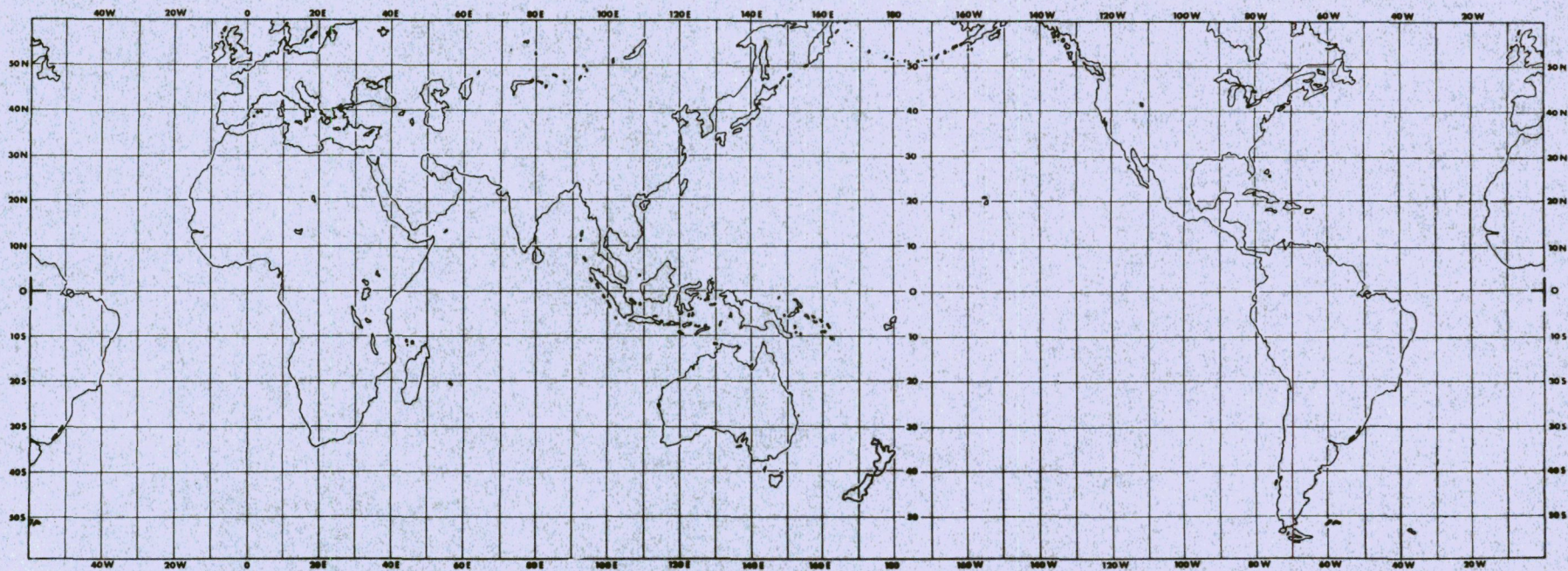
4-136



**Location Guide**  
**Average Scale for Nimbus 4**  
**THIR Daytime Montages**

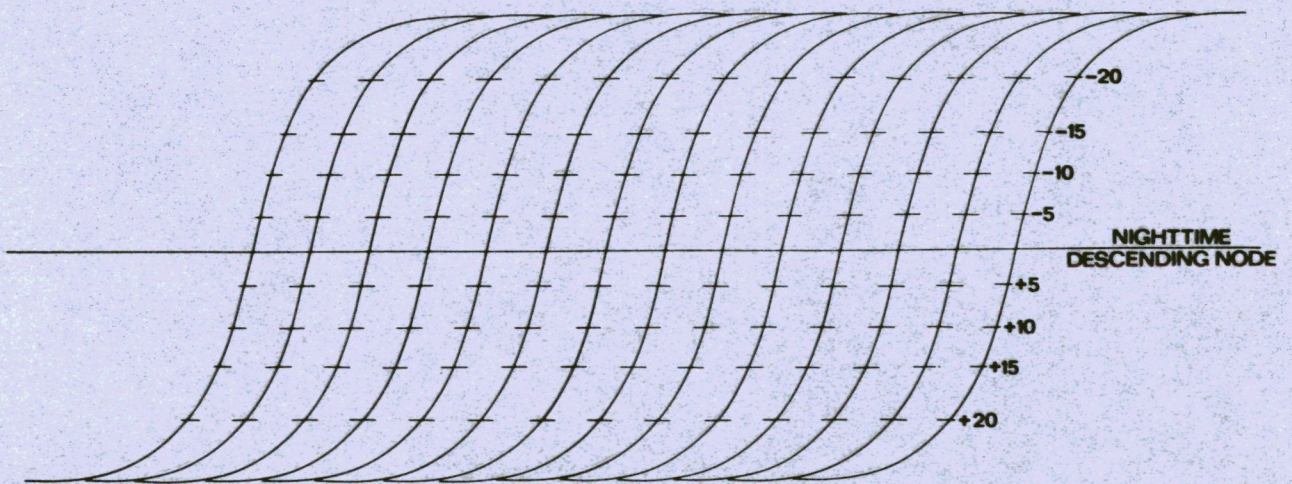


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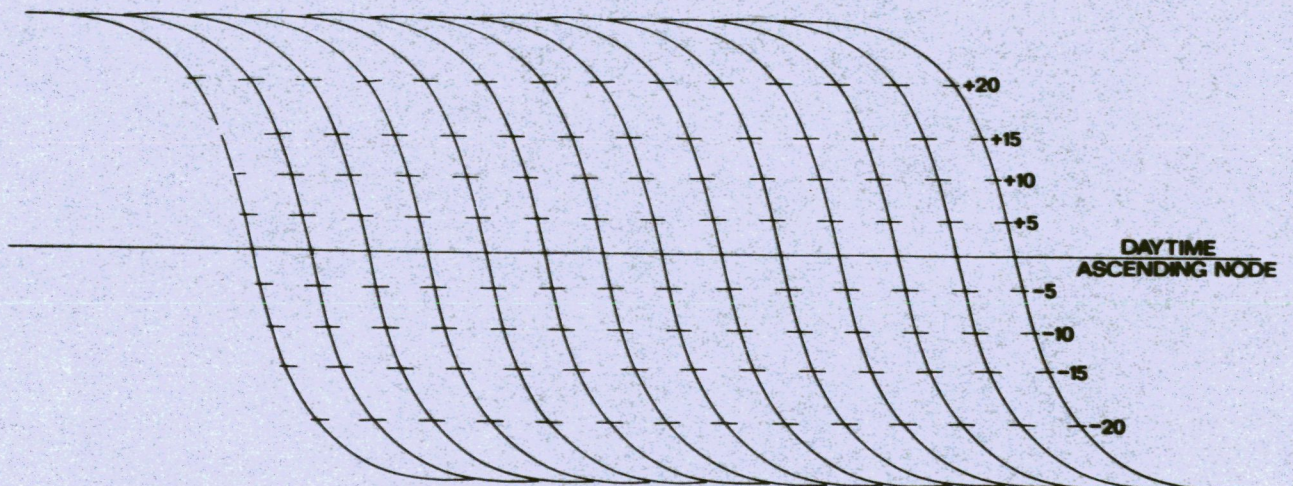


**Location Guide**  
**Average Scale for Nimbus 4**  
**THIR Nighttime Montages**





**NIMBUS 4 SUBSATELLITE TRACKS OVERLAY**



**NIMBUS 4 SUBSATELLITE TRACKS OVERLAY**

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